

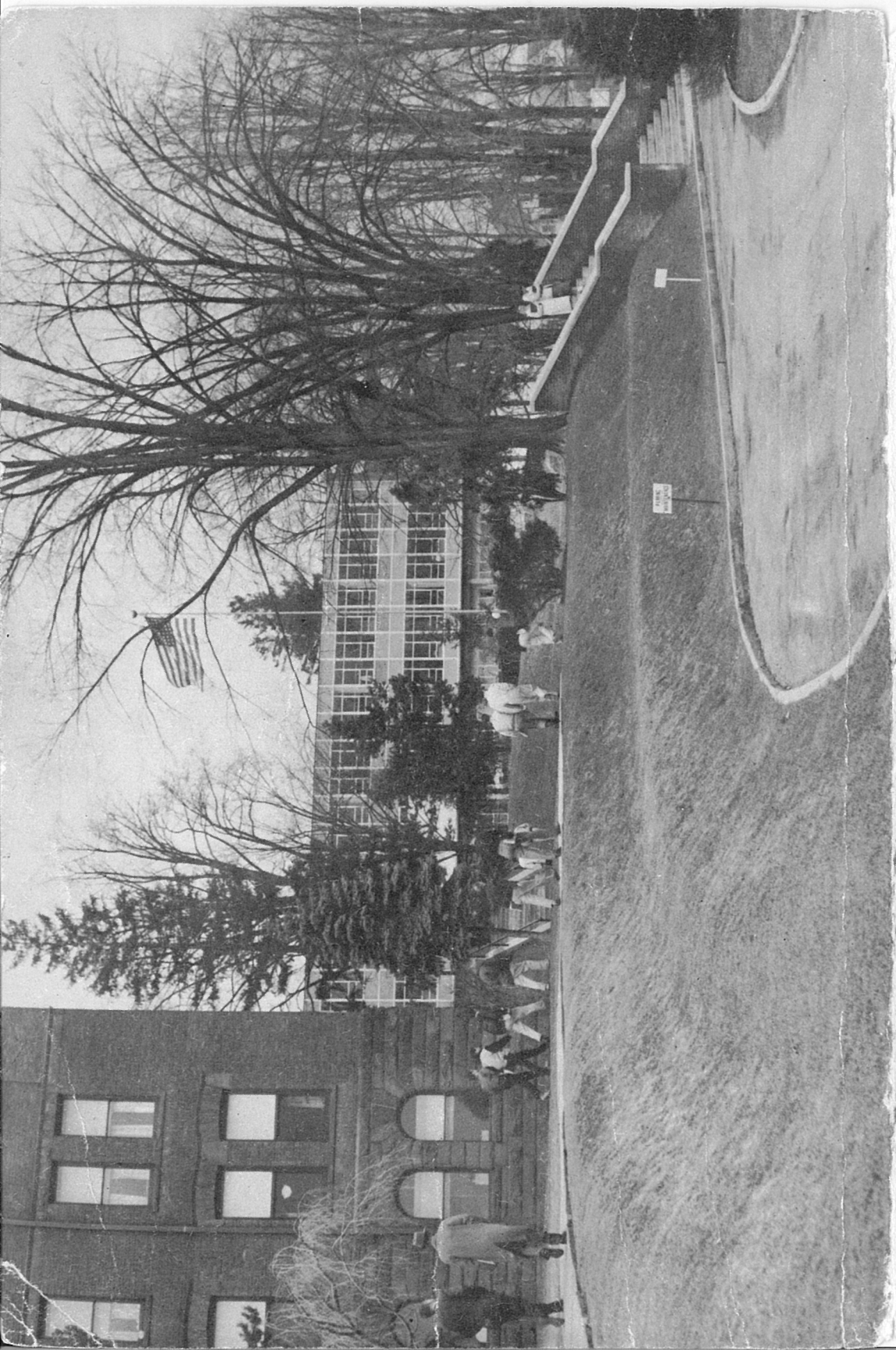
Helen Richards

MANSFIELD STATE COLLEGE

1964 - 1965
CATALOG



THE COLLEGE QUARTERLY
MANSFIELD, PENNSYLVANIA



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APPLICATION FORM

MAP OF CAMPUS

Mansfield State College
is accredited by
The Middle States Association of Colleges
and Secondary Schools
and by
The National Council for Accreditation
of Teacher Education

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GENERAL INFORMATION

College Calendar

Summer Sessions 1964

Residence Halls Open 2:00 P.M.	June 7
First Summer Session	June 8 - July 17
Second Summer Session	July 20 - August 28

Fall Semester 1964-65

Freshman Orientation Begins	September 8
Registration, Freshman and New Students	September 10
Registration, Upperclassmen	September 11
Classes Begin at 8:00 A.M.	September 14
Last Day for Class Changes	October 2
Thanksgiving Recess Begins at Noon	November 24
Thanksgiving Recess Ends at 8:00 A.M.	November 30
Christmas Recess Begins at Noon	December 19
Christmas Recess Ends at 8:00 A.M.	January 4
Final Examinations Begin	January 15 - 21
Semester Ends	January 22

Spring Semester 1965

Residence Halls Open	January 24
Registration, Freshman and New Students	January 25
Registration, Upperclassmen	January 26
Classes Begin at 8:00 A.M.	January 27
Last Day for Class Changes	February 19
Easter Recess Begins at Noon	April 10
Easter Recess Ends at 8:00 A.M.	April 19
Final Examinations Begin	May 19 - 25
Alumni Day	May 22
Semester Ends	May 26
Baccalaureate and Commencement	May 30

Summer Sessions 1965

Residence Halls Open	June 6
First Session	June 7 - July 16
Second Session	July 19 - August 27

Fall Semester 1965-66

Residence Halls Open 2:00 P.M.	September 5
Freshman Orientation Begins	September 6
Registration, Freshman and New Students	September 8 9
Registration, Upperclassmen	September 9 10
Classes Begin at 8:00 A.M.	September 10 13
Last Day for Class Changes	October 1
Thanksgiving Recess Begins at Noon	November 23
Thanksgiving Recess Ends at 8:00 A.M.	November 29
Christmas Recess Begins at Noon	December 18
Christmas Recess Ends at 8:00 A.M.	January 3
Final Examinations	January 17 - 21
Semester Ends	January 22

Spring Semester 1966

Residence Halls Open 2:00 P.M.	January 25
Registration, Freshman and New Students	January 26
Registration, Upperclassmen	January 27
Classes Begin at 8:00 A.M.	January 28
Last Day for Class Changes	February 18
Easter Recess Begins at Noon	April 2
Easter Recess Ends at 8:00 A.M.	April 11
Final Examinations	May 20 - 25
Alumni Day	May 21
Semester Ends	May 27
Baccalaureate and Commencement	May 29

Summer Session 1966

Residence Halls Open 2:00 P.M.	June 5
First Summer Session	June 6 - July 15
Second Summer Session	July 18 - August 26

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THE COLLEGE

CAMPUS AND COMMUNITY

Mansfield State College is situated on the edge of the Canyon County in Pennsylvania's Northern Tier. The region is noted for vast stretches of forest and for unexcelled hunting and fishing. Nearby is Denton Hill State Park, a winter sports center.

The Borough of Mansfield is a pleasant community at the junction of Routes 6 and 15. It is about 35 miles from the Chemung County Airport, 20 miles from the smaller Canyon Airport near Wellsboro and 28 miles from the rail center of Elmira, N.Y.

Architects have made use of the college's sloping 75 acres to create an attractive campus, where tall trees and extensive lawns provide an atmosphere of quiet dignity.

Additional construction, planned and currently in process, will enable Mansfield to furnish facilities to meet its expanding needs for higher education. At present the campus buildings include:

NORTH HALL. One of the older buildings of the college, this women's dormitory also houses the college dining room, kitchens and bakery, the book and supply store, conference rooms, recreational areas and music practice rooms.

NEW WOMEN'S DORMITORY. Two new units each housing 300 students were completed in the Spring of 1964. The residential, academic, and social needs of the students were incorporated into the design of these modern facilities.

SOUTH HALL. The men's dormitory occupies the site of the original Mansfield Classical Seminary; also contains recreation and practice rooms.

ALUMNI BUILDING. The ground floor of this dual-purpose building houses most of the administrative offices. The upper floors comprise a library of modern design containing a collection of 40,000 volumes which will be expanded annually until its capacity of 90,000 is reached, ample reading and study areas, classrooms for library science and audio-visual courses and an audio-visual laboratory.

ARTS BUILDING. Facilities are provided in this building for music and home economics education. Included are class rooms, laboratories, practice rooms and a home management apartment.

EDUCATION CENTER. Completely renovated in 1960-61, this building contains general classrooms, faculty offices and lounge, language laboratory and a cartography room.

SCIENCE BUILDING. One of the most attractive buildings on campus, this structure contains large, well-lighted classrooms and laboratories and a lecture hall.

STRAUGHN AUDITORIUM. Seating 1,250, the auditorium is provided with modern motion picture equipment, stage and lighting facilities for concerts and dramatic productions and a three-manual Austin organ.

ELEMENTARY BUILDING. The campus laboratory school for elementary pupils provides an opportunity for classroom observation and student teaching.

EAST BUILDING. This structure, renovated in 1962, contains a communications center, theater, laboratories and facilities for classes in special education and art.

GYMNASIUM. Plans call for the addition of a swimming pool to this building, which provides a large playing floor, locker space and the offices of the physical education staff.

STUDENT UNION. This is the "Hut," a student rendezvous where sodas and light lunches are served. Outside are tennis courts which the Student Council equipped with lights in 1960.

STUDENT CENTER. Informal dances, parties and games take place in this student recreational center.

PRESIDENT'S HOME. This brick residence harmonizes with the rest of the campus, lending beauty and dignity to the scene.

ATHLETIC FIELD. Completed in 1960, this natural semi-amphitheater for football, baseball and track commands a sweeping view of the community and surrounding hills.

INFIRMARY. The student health center contains offices of the college physician and nurses, treatment and isolation rooms. Serious medical or surgical cases receive immediate attention at low cost at the nearby Blossburg State Hospital. Other area hospitals are the Robert Packer, Sayre; Arnot-Ogden and St. Joseph's, Elmira.

NEW BUILDINGS. A comprehensive campus study calls for construction by 1970 of two new men's dormitories, a new dining hall, new infirmary, a world cultures building, new student union, swimming pool, field house and additional athletic field along with major additions to the administration and science buildings.

HISTORY

In 1857, the Mansfield Classical Seminary opened with a registration of 105 students. Four months later, the original building burned to the ground; however, prominent citizens of the area, who had done much of the preliminary planning for the original structure, renewed building operations, with the result that South Hall was available for the formal opening of school, November 23, 1859.

In 1862, because of the serious financial difficulties of the seminary, the Commonwealth of Pennsylvania acceded to the request of the trustees, and established it as the Normal School of the Fifth District.

Student teaching was organized in 1871, in conjunction with the elementary grades of the Mansfield Soldiers Orphans School. Later, when the need for the Orphans School no longer existed and it was dissolved, the lower grades of the local public school were utilized for this phase of teacher education. A modern laboratory school for the lower grades was opened on the campus in 1914.

The State Council of Education in June, 1926, authorized the State Normal School at Mansfield to confer the Degree of Bachelor of Science in the areas of elementary education and secondary education. A year later Mansfield was designated a State Teachers College by formal resolution. Indicating a broadened concept of professional preparation, the Pennsylvania Legislature on January 8, 1960, authorized the general title, Mansfield State College.

Since it was first authorized to grant the B.S. in Education, Mansfield has expanded its curriculum to include the special fields of Music Education, Home Economics Education, and recently Library Science Education. A Liberal Arts curriculum was recently added to meet the increasing demand for study in areas other than teaching.

PROGRAMS OF STUDY

THE FOUR-YEAR ELEMENTARY EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Education and State certification which entitles the holder to teach in the elementary schools of the Commonwealth.

THE FOUR-YEAR SECONDARY EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Education and State certification which entitles the holder to teach in junior and senior high schools those subjects in which he has specialized, including grades seven and eight when organized on a secondary basis in 6-3-3 schools.

THE FOUR-YEAR HOME ECONOMICS EDUCATION CURRICULUM carries with it the degree of Bachelor of Science in Home Economics Education and State certification which entitles the holder to teach and supervise vocational home economics and general home economics in the junior and senior high schools.

THE FOUR-YEAR MUSIC EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Music Education and State certification which entitles the holder to teach and supervise music in the public schools of Pennsylvania.

THE FOUR-YEAR LIBRARY EDUCATION CURRICULUM leads to the degree of Bachelor of Science in Library Education and State certification which entitles the holder to serve as a school librarian. This program will also meet many employment requirements of public, governmental or technical libraries and provides groundwork for graduate library education.

The Four-year Liberal Arts Curriculum leads to a degree of Bachelor of Arts. This program will meet employment requirements of industry, business, and government. The program provides the foundation for graduate study.

SUMMER SESSIONS

The summer sessions are designed for teachers in service, teachers desiring to enrich or broaden their professional education, high school graduates wishing to start their college studies early, and college students following an accelerated program or completing special requirements.

By attending summer sessions, the student may complete requirements for the baccalaureate degree in education, extend certification to additional teaching fields or make permanent the provisional college certificate.

The college schedules two sessions of six weeks each. Summer school credits may be earned at the rate of one credit per week of attendance. A total of 12 semester hours may be earned by attending both sessions. Permission to enroll for more than 12 hours must be obtained from the Dean of Instruction. For further information write: Director of Summer Sessions.

ADMISSIONS

Applicants may be enrolled for the fall semester or spring semester, and for any of the summer sessions.

Requirements for Admission

1. General scholarship as demonstrated by:
 - a. Graduation from an approved secondary school which includes grades 10, 11 and 12, or institutions of equivalent grade, or equivalent preparation as determined by the Credentials Evaluation Division of the Pennsylvania Department of Public Instruction.

- b. A satisfactory score in the Scholastic Aptitude Test of the College Entrance Examination Board, and such other tests as the college may deem necessary.
2. Satisfactory recommendation as to character, personality traits, proper attitudes and interests, from the high school principal, guidance director, or other school official acquainted with the student.
3. A certificate of examination signed by a physician, forms for which will be furnished by the college. This medical examination will be checked by the college physician and the applicant may be required to undergo a complete re-examination.

Applicants may be rejected for incurable defects or diseases, defective vision of marked degree, permanently impaired hearing, marked speech defects, unsightly deformities, and marked obesity.

Students with remedial defects will be accepted on condition that immediate treatment be undertaken for their removal.

A personal interview will be given at the college, during which particular attention will be paid to personality, speech habits, social presence, expressed interests, and promise of professional development.

When a student has been granted admission and fails to enroll, his acceptance for admission will be valid for no more than two years following the month for which admission was granted. After two years such student, not having enrolled at any time during this period, must reapply for admission as a new applicant and meet the standards for acceptance current at the time of reapplication.

All applications for admission should be made to the DIRECTOR OF ADMISSIONS, MANSFIELD STATE COLLEGE, MANSFIELD, PENNSYLVANIA.

Special Requirements for Admission to the Music Education Curriculum

1. Musical Aptitude
 - a. The possession of an acceptable singing voice.
 - b. Evidence of average or above-average musical aptitude as indicated by
 - 1) a good sense of pitch,
 - 2) rhythmic responsiveness,
 - 3) adequate melodic and rhythmic memory.

2. Musical Accomplishment

- a. The ability to sing at sight a melody of the degree of difficulty of a simple folk song.
 - b. The ability to sing the alto, tenor, or bass part of a song of the degree of difficulty of "America."
 - c. Sufficient technical skill on one or more legitimate musical instruments to serve as a basis for the development of a firsthand acquaintance with standard works of musical literature.
 - d. Ability to play piano music of the degree of difficulty of the first book of a standard graded course of piano instruction, including equal facility in reading from the treble and bass clefs. Students who cannot meet the entrance requirements in this area will study without credit until they have removed the deficiency.
3. A working knowledge of the fundamentals of music theory such as scales, key-signatures, and the symbols of music notation.

Applicants who are deficient in any of the above-named techniques may be accepted if they give evidence of superior qualifications in other areas.

Advanced Standing

1. Application forms and information for transfer students may be secured from the Admission Office.
2. Transfer students must meet the same requirements as other applicants, and will not be accepted without certificates of honorable dismissal.
3. Students who apply for advanced standing must have their transcripts sent to the Director of Admissions prior to their entrance so so that their transcripts can be evaluated before registration.
4. Credit will be given for acceptable courses pursued in accredited college institutions only if the grade is one grade above the lowest passing grade.
5. No student may be graduated and receive a degree from this college without a minimum residence of one year. A minimum of thirty-two semester hours of work earned on campus will meet the requirement of one year of residence.
6. Degree candidates who wish to pursue any part of the program of studies for the degree of another institution will be required to secure prior approval from the Dean of Instruction at Mansfield.

CERTIFICATION

Citizens of the United States who have completed any of the four-year curriculums offered by the college, and who have complied with the all regulations for graduation will be granted a college degree. This degree should not be confused with the Provisional College Certificate issued by the Department of Public Instruction.

Provisional College Certificate

A student successfully completing his curriculum and receiving his degree from the college qualifies for a Provisional College Certificate, which is issued upon application to the Department of Public Instruction, Harrisburg.

In the elementary field this certificate qualifies the holder to teach in the elementary schools of Pennsylvania for three years.

In the secondary field the certificate entitles the holder to teach the subjects specified thereon in the secondary schools of Pennsylvania, grades seven and above, for three years.

In music education the certificate qualifies the holder to teach and to supervise music for three years in both the elementary and secondary schools of Pennsylvania.

In home economics education the certificate is valid for the teaching of home economics in all the grades of the public schools of Pennsylvania for three years.

In library science the certificate qualifies the holder as a school librarian for any of the grades of Pennsylvania public schools.

Permanent College Certificate

The Permanent College Certificate requires three years of successful teaching in the public schools of this Commonwealth under a Provisional College Certificate and the successful completion of twenty-four (24) semester hours of post-baccalaureate education for permanent validation. All permanent certificates require a basic course in the History of United States and Pennsylvania and a basic course in visual aids and sensory techniques.

Extension of College Certificates

1. A college certificate valid for the secondary field may be extended to include the elementary field by the completion of 30 semester hours of approved courses in the field of elementary education, including six semester hours of elementary student teaching. The program to be completed for this extension must include (a) a course in the teaching of reading, and (b) courses in at least four of

the following areas: mathematics, arts and crafts, music, physical education, language arts, sciences, social studies, geography, mental hygiene or a course dealing with exceptional children.

2. A college certificate valid for the elementary field may be extended to include any subject of the secondary field by meeting all the standards required for the original issue of a secondary certificate in that subject. The program for this extension will also include 12 semester hours of professional education in the secondary area, six of which must be student teaching.
3. The holder of a Provisional College Certificate in the secondary field may be granted a temporary certificate to teach additional academic subjects provided he has completed 18 semester hours in the subject for which the temporary certificate may be issued. The temporary certificate may be granted at the request of an administrative official in the school district for a period not to exceed three years. Before the additional academic subject listed on the temporary certificate can be made a part of a provisional or permanent certificate, the 18 semester hours must be increased to the number of semester hours required for that subject.
4. A certificate valid for elementary education may be endorsed for library science upon the completion of 12 semester hours in this field of study. Such a library science endorsement will be valid only in those grades designated for the elementary school.

PROGRAMS FOR TEACHERS IN SERVICE

Teaching Experience

Entrance and college credits based on teaching experience have not been granted since September 1, 1927. Credit will not be granted for student teaching other than that done under the direction of the college.

Extension Courses

Extension courses provided by duly accredited colleges and universities will be accepted from in-service teachers for no more than 25 per cent of the number of credits required for a degree. On a transfer record only courses that have received a grade above the lowest passing grade of the issuing institution will be considered for credit. Detailed information on acceptable credit may be obtained from the Dean of Instruction.

Saturday and Evening Classes

Saturday and evening classes on campus have been established as a regular part of the Mansfield College program, in order to enable area teachers to continue their studies during the entire academic year. For further information write to the Dean of Instruction at the college.

Correspondence Courses

The Department of Public Instruction prohibits the offering of correspondence courses by state colleges and also the acceptance of such courses for credit.

Maximum Semester Credit

Not more than six hours of credit may be taken in any one semester by a regularly employed full-time teacher.

GENERAL COLLEGE REGULATIONS

Since students at Mansfield generally are preparing for the special responsibilities of the teaching profession, they are expected to manifest unimpeachable moral character and to maintain in their personal behavior the high ideals of that calling. Upon enrolling in the college every student thereby binds himself to observe the rules and regulations of the college. Violations of those rules and regulations may result in expulsion. The college reserves the right to exclude at any time a student whose conduct or academic record proves unsatisfactory.

The college reserves the right to inspect all student living quarters, and is responsible for maintaining close supervision of student rooming houses. Students may reside only in rooms that have college approval.

Specific college regulations are explained in a student handbook, *The Password*, which is distributed at the beginning of the academic year. It is the responsibility of all students to familiarize themselves with the regulations contained in that handbook.

FEES, DEPOSITS, REPAYMENTS

(Subject To Change)

BASIC FEE FOR REGULAR SESSION. The basic fee for each student in each curriculum is charged as follows:

Elementary Curriculum	\$125.00
Secondary Curriculum	125.00
Library Science Curriculum	143.00
Liberal Arts Curriculum	150.00
Home Economics Curriculum	152.00
Music Education Curriculum	170.00

This fee covers registration and the keeping of student records, library, student welfare, health service, and laboratory facilities. Nursing and quarantine service require an additional fee.

Students taking NINE or fewer semester hours shall pay at the rate of \$12.50 per semester hour. Students taking more than NINE semester hours shall pay the regular basic fees; basic fees for special curriculums shall be prorated on the basis of an eighteen semester hour load.

STUDENT ACTIVITY FEE. This fee collected from all regularly enrolled students, will be administered through a cooperative organization approved by the Board of Trustees. It covers the cost of athletics, entertainments, publications, etc. Students taking fewer than seven semester hours or students taking extension courses may take advantage of this program by paying this fee. The fee, determined and collected by the Mansfield Cooperative Government Association, is \$27.50 for the first semester of attendance and \$22.50 for each semester thereafter. Checks covering activities fees must be made out to College Student Services, Inc.

LATE REGISTRATION FEE. Each student registering after the date officially set for registration is required to pay an additional fee of \$1.00 per day until the student is in regular attendance (except when permission for late registration has been secured in advance from the Dean of Instruction.) The total amount of the late Registration Fee shall not exceed \$5.00. The same regulation shall apply to approved inter-semester payments.

FEES FOR OUT-OF-STATE STUDENTS. Students whose legal residence is out of the State of Pennsylvania, pay \$20.00 per semester hour. Out-of-state students enrolled in curricula other than elementary or secondary pay additional fees as follows:

Library Science Curriculum	\$18.00
Liberal Arts Curriculum	25.00
Home Economics Curriculum	27.00
Music Education Curriculum	45.00

Students should be certain of the right to claim Pennsylvania residence before paying the resident fee. Such claims are subject to investigation.

PART TIME AND SUMMER SCHOOL FEES

For Pennsylvania residents: \$12.50 per semester hour (minimum fee \$37.50); for non-residents: \$20.00 per semester hour (minimum fee \$60.00).

Housing Fee

Board, room and laundry service is \$306.00 a semester. No reduction in the fee will be made when students go home or when laundry is done elsewhere.

Off-campus students may eat in the college dining room at a cost of \$162.00 a semester. Students may avail themselves of the college laundry service for a charge of \$1.00 a week.

Unless they leave college, boarding students will not be permitted to withdraw from the dining room during the semester.

The housing fee for persons other than students is \$15.00 a week.

The charge for meals to transients: breakfast, \$.75; luncheon, \$1.00; dinner, \$1.25.

There will be a special charge for transient lodging fee of \$1.00 plus tax per night per person.

Infirmary Fee

The services of the college physician and the college nurses are available to those who are ill or injured. Medicine for minor illnesses and dressings for injuries are furnished free of charge, but students must pay for special prescriptions or preventative vaccine.

After three days in the Infirmary, students from the dormitory will be charged a hospitalization fee of \$1.00 per day in addition to the regular housing fee.

Day students in the Infirmary without dining privileges will be charged a fee of \$3.00 per day. This charge includes only regular medical and nursing care.

Day students in the Infirmary with dining privileges will be charged a fee of \$1.50 per day.

Private Music Instruction Fee

The charge for private music lessons to students not following the Music curriculum will be:

Voice, piano, band, or orchestral instruments: \$24.00 per semester for one lesson per week. Pipe organ: \$42.00 per semester for one lesson per week.

Rental or room for practice, one period per day: \$6.00 per semester. Rental of pipe organ for practice, one period per day: \$36.00 per semester. Rental of band or orchestral instruments: \$6.00 per semester.

Special Music Instruction Fee

Students of the Music Department who wish private music instruction other than that assigned by the director will pay the same rate for such instruction as students not following the Music curriculum.

Repayments

Repayment will be made when a student withdraws because of personal illness, certified to by an attending physician, or because of such other reasons as may be approved by the Board of Trustees. Payments will include the amount of the contingent and housing fees paid by the student for that part of the semester which the student does not spend in the college.

Repayments will not be made to students who are temporarily suspended, indefinitely suspended, dismissed, or who voluntarily withdraw from the college.

Official interpretation of refund policy is strictly confined to the Business Manager.

Schedule of Payments

All payments are pre-billed. Statements will be sent out from the Revenue Office on date due.

The activities fee must be paid for the full semester at the beginning of each semester. If more convenient to students or sponsors, all fees for the full semester may be paid at the beginning of the semester.

Payments by Check

Checks paid to the Revenue Office must be made out to the Commonwealth of Pennsylvania. Checks covering student activities fees must be made out to College Student Services, Inc.

Special Charges

Damages

Any damage to rooms or furnishings beyond that caused by normal use will be charged to students. If damage results from use of electrical appliances other than those provided by the college, students will be held accountable.

Charges During Illness

Charges during illness do not include the expense of trained nurses or of medicine. In cases of serious illness, students may be removed to a hospital where special expenses must be met. Cost of transporting a student to or from a hospital are the obligation of the student or sponsor.

Degree Fee

Every candidate for a degree is required to pay a diploma fee of \$5.00. An application must be filed with the Registrar at the beginning of the semester in which the student expects to obtain the degree.

Cap and Gown Fee

A cap and gown rental of approximately \$5.00 must be paid by each candidate for a degree.

Transcripts and Fees

No official transcript will be issued directly to the student.

A fee of \$1.00 must be paid for the second and each subsequent of academic record. The fee is waived for transcripts to be used in connection with induction, enlistment, or achievement in the armed forces.

Delinquent Accounts

No student shall be enrolled, graduated, or given a transcript of his record until all fees have been paid.

FINANCIAL OBLIGATIONS

ACCEPTANCE OF A STUDENT IS FOR A SEMESTER. STUDENTS AND PARENTS OR SPONSORS SHOULD UNDERSTAND THAT FINANCIAL OBLIGATIONS ARE INCURRED FOR THE ENTIRE SEMESTER.

DEPOSITS

Advance Registration Fee for New Students

An initial deposit of \$10.00 is required with all applications. This fee covers evaluation procedures and is *not refundable for any reason*.

If the applicant receives preliminary acceptance, he must send an additional \$15.00 as a guarantee of intention to enter the college for the semester designated. This \$15.00 fee is refundable only if the applicant is not given final acceptance by the Admission's Office.

Advance Registration Fee for Upperclassmen

Upon notice from the Business Office, upperclassmen are required to pay an advance registration fee of \$50.00 as a guarantee of intention to return to the college for the semester designated.

If, after paying this advance fee, a student withdraws from the college or does not enroll for the semester designated, he forfeits the entire fee.

How Bills and Charges are to Be Paid

All bills, including basic fee, housing fee, extra room rent and special department fees are payable at least nine weeks in advance. Checks should be made payable to the Commonwealth of Pennsylvania. If a money order is used it must be payable at Harrisburg, Pennsylvania. Checks or money orders must be presented in the exact amount of the account. Book Store purchases are on a cash basis.

Students will not be permitted to enroll for any semester until all bills previously incurred have been paid; nor will credit be certified to other institutions or to the Department of Public Instruction until all overdue accounts have been paid.

Students desiring to leave school before the close of a semester must report to the dean of instruction, registrar, and to the business office to settle all unpaid accounts.

Meal tickets for visitors can be obtained in the A. L. Mathias office.

Personal Effects

All personal effects must be removed from the college at the end of the academic year or of summer sessions attended.

STUDENT AID

GENERAL INFORMATION

As a state college, Mansfield State College offers higher education at a cost considerably below that of private and parochial colleges. For the same reason, financial assistance — both as to the number of grants made and the amounts awarded — is quite limited as compared with many colleges which are heavily endowed. While remaining committed to offering financial aid to outstandingly able students who can show evidence of financial need, Mansfield State College must necessarily recognize that the financial costs of acquiring a higher education remain, at this time, the obligation of the student and his family.

Matriculation at Mansfield State College is for a semester, the College, therefore, expects each entering student to be able to meet the expenses of the semester without the expectation of financial assistance *unless such aid has been previously arranged and confirmed*. New students, particularly, are urged to be ready to personally and wholly defray all expenses arising during their initial semester at Mansfield State College since applications for financial aid cannot be filed before formal acceptance and applications for financial aid require considerable time to process. Similar conditions exist as pertain to student employment applications.

The following points are emphasized:

1) A new student (prospective Freshman or transfer) should not file application for, or make inquiry about, any type of aid before his admission has been confirmed by the Director of Admissions and the Advance Registration Deposit has been paid to the College and acknowledged.

2) The only form of financial aid available to transfer students during their first semester at Mansfield State College is part-time employment and such job opportunities are extremely limited.

3) Commencing September 1964, any student requesting any form of financial assistance must have filed the confidential statement related to his personal and family finances with the College Scholarship Service, Princeton, New Jersey. That agency will then advise the College of its objective analysis as to the student's (and student's family) ability to finance his own education at Mansfield State College. The Student Aid Committee utilizes this information when considering applications for all forms of student aid. Responsibility for filing the confidential statement rests with the student; help may be secured from high school principals and guidance counselors.

4) Commencing September 1964, no disbursement of an approved financial assistance grant will be made by the College until the student has paid the Advance Registration Deposit for the semester for which the financial aid was awarded.

Off-Campus Employment

The College wishes to impress prospective students that the location of Mansfield State College in a rural, non-industrialized region of the state greatly reduces the opportunities for outside part-time employment. Further, with increased emphasis being placed on scholastic attainment at this College, the number of hours in which a student may engage in employment has tended to drop sharply in recent years. The acquisition of off-campus employment is the responsibility of the individual student although the several Personnel Deans may be able to provide some limited job vacancy information.

Part-time Campus Employment

Part-time student employment at the College is available in the dining hall, library, dormitories, grounds and buildings, student union facilities, and offices. Such employment is normally awarded to students who have demonstrated ability to do satisfactory academic work and shown evidence of financial need. These positions are normally filled by upperclassmen but a limited number of positions are open to exceptional freshmen. Requests for student employment are made

after formal acceptance and payment of the Advance Registration Deposit. Applications are available from, and submitted to, the Chairman, Student Aid Committee, Office of Student Affairs.

Scholarships

A broad array of scholarships sponsored by outside foundations, industries, clubs, and state governments are recognized by Mansfield State College and used by students to meet educational expenses at this college. It is necessary to emphasize, however, that such awards are usually made while the student is enrolled in high school and are frequently on a competitive basis. Applications are generally made *directly to the agency sponsoring the scholarship*. Assistance in making applications for this type of assistance is generally given by high school principals and guidance counselors. Do not make application to college authorities for these scholarships since the grants are not made by this institution.

The following scholarships are awarded by Mansfield State College in cooperation with various sponsors:

FLORENCE DORNBLASER MEMORIAL SCHOLARSHIPS. The Pennsylvania Federation of Democratic Women have three grants for \$200, \$150, and \$100 respectively which are open to any Senior woman student who is a resident of Pennsylvania and attending a Pennsylvania college; possesses a Democratic family background; is majoring in government, political science, economics, or history; and is reasonably active in student affairs. Applications are available from the Chairman, Student Aid Committee and must be filed with the Pennsylvania Federation of Democratic Women in early April for the following academic year.

COLEGROVE MEMORIAL SCHOLARSHIPS. Two scholarships of \$100 per academic year to two *outstanding women* students from Tioga or McKean Counties are available from the estate of W. H. Colegrove. Applications for this scholarship should be secured from, and returned to, Chairman, Student Aid Committee, Office of Student Affairs.

THEODORE PRESSER FOUNDATION SCHOLARSHIP GRANT. The College receives annually a grant of \$400 for financial grants to *outstanding junior or senior students majoring in music Education*. Grants are awarded by the Music Education department with the approval of the President of the College. Applications for these grants should be made to the Chairman of the Music Education Department. Grants are made for undergraduate work for the forthcoming academic year.

SOROPTIMIST INTERNATIONAL. The Soroptimist International, a women's service club of Erie County, each year makes awards to *women* students who are *residents of Erie County, Pennsylvania* who are enrolled in teacher education curricula at any of the Pennsylvania

State Colleges. *Application is made as a junior; the award is made by the Soroptimist International for the senior year.* Awards are made upon the basis of financial need. Applications may be secured from, and returned to, Chairman, Student Aid Committee, Office of Student Affairs.

HANNAH KENT SCHOFF MEMORIAL SCHOLARSHIP. The Pennsylvania Congress of Parents and Teachers each year in April awards two four-year scholarships of \$150 per year to a worthy Pennsylvania student. The student is selected by the Student Aid Committee on the basis of scholarship, personality, and financial need. Applications may be secured from, and returned to, Chairman, Student Aid Committee, Office of Student Affairs.

Loans

NATIONAL DEFENSE STUDENT LOAN PROGRAM. The National Defense Act of 1958, as amended, makes available to full-time students showing evidence of financial need and maintaining good academic standing loans for college expenses. Special consideration is given those students whose academic record indicates a superior capacity in science, mathematics, engineering, or a modern foreign language or to students of superior academic background who expect to teach in elementary or secondary schools.

N.D.E.A. loans are awarded for a semester and based upon accumulative grade point average. Evidence of need will normally be on a yearly basis as evaluated by the College Scholarship Service. Currently the College makes a maximum grant of \$400 per semester although the maximum provided by federal legislation is \$1,000 per year and \$5,000 during the borrower's enrollment. A portion of the College's N.D.E.A. Loan Fund is reserved for entering Freshman. These awards are made on the bases of financial need and academic promise as indicated by the SAT scores of the College Board Exams.

Applications for N.D.E.A. loans may be received from, and returned to, the Chairman, Student Aid Committee, Office of Student Affairs. Application should not be made before notice of acceptance has been received and the Advance Registration Deposit paid to the College.

STUDENT LOAN FUND. In past years a loan fund was accumulated from the gifts of alumni and friends of the College. *When available,* money from this fund is loaned to needy students of *junior or senior class standing.* The maximum loan which may be granted from this fund to any student is \$400 per year and a total loan of \$800. The borrower is expected to repay his loan as soon as possible so that a maximum number of needy students may share in the benefits of the student loan fund. Awards are made by the Student Aid Committee

with the approval of the President of the College. Applications may be secured from, and returned to, Chairman, Student Aid Committee, Office of Student Affairs.

UNITED STUDENT AID FUNDS. Loans are available through this program for students who have completed their Freshman year and hold Sophomore or higher class standing. Loans are negotiated with the local bank with the amount loaned set by the bank officials. The College advises the bank concerning your academic standing and college expenses and underwrites your loan by contributing to the reserve of USA Funds. Details and applications may be secured from the Chairman, Student Aid Committee, Office of Student Affairs.

OMICRON GAMMA PI STUDENT LOAN FUND. Loans are made to students of the Home Economics Department with preference given to seniors. Awards are made on the basis of scholastic standing, high ideals, and strong character. Applications are received from the Chairman, Department of Home Economics and submitted to Omicron Gamma Pi which makes the individual loans.

STEVENS BROTHERS FOUNDATION LOANS. Loans of \$25 to \$50 per month during the Senior year are made to Senior men who will commence work at the close of the academic year. Additional information and applications may be secured from Chairman, Student Aid Committee, Office of Student Affairs.

Psychological Clinic

The college offers the services of a clinical psychologist as part of its advisory services — personal, academic and vocational. Students wishing assistance are referred to the clinic through the Personal Deans.

Information for Veterans

Veteran's affairs are handled by the Dean of Men.

Veterans apply for admission in the same manner as all students, and must meet the college admission requirements.

All new students eligible to enter with veterans' benefits should apply to their nearest Veterans Administration Regional Office for official certificates or supplemental certificates of entitlement. Such application should be made as soon as an official notice of admission has been received.

Placement Service

Mansfield State College provides an active education placement service for its graduates. The Director of Placement maintains close relations with school systems to aid graduates in locating desirable positions, and assists school officials in finding teachers well qualified to fill vacancies in the schools of the Commonwealth.

Campus Book Store

A book and supply store is operated by the College Student Services, Inc. In addition to educational texts students will find here a full stock of college supplies. Profits of the book store revert to the Corporation for the furtherance of extra-curricular programs.

LIVING AT COLLEGE

Accommodations

DORMITORIES. Dormitories for men and women are maintained by the college. A few single rooms are provided but the majority are intended to accommodate two or three students. The rooms are furnished with study tables and lamps, chairs for work and relaxation, single beds, mattresses and pillows, bureaus and mirrors. Each student must provide blankets, six sheets, three pillow cases, and six towels.

The college endeavors to make the dormitory atmosphere cheerful and harmonious but there is no substitute for the personal touch which can be added to a room by drapes and bedspreads of personal choice. Therefore, students are expected to supply these items.

DINING ROOM. Wholesome, well-balanced meals are provided by a professional catering service in an attractive dining room where men and women are seated together at tables of eight. Here they enjoy the amenities of dining in congenial surroundings.

LAUNDRY FACILITIES. A commercial laundry serves students residing in the college dormitories. Each student is entitled to 13 pieces of laundry per week. In addition, special rooms are provided in which students may do extra washing or ironing.

Clothing Requirements

Women students have compiled a list of clothing they feel necessary to college life. Since youthful simplicity characterizes the wardrobe of the well-bred student, sports clothes and tailored frocks are first on the list for women, which follows:

1. Three wool skirts
2. Six sweaters or blouses
3. Two cotton dresses
4. Two sport dresses and one suit
5. Two simple silk dresses
6. One evening gown
7. One housecoat
8. One heavy coat
9. One sports jacket or coat
10. One pair of sport shoes
11. One pair of evening slippers

12. One pair of dress slippers
13. One pair of gymnasium sneakers. Freshmen and sophomore women are required to purchase uniform gymnasium attire at the Campus Book and Supply Store.
14. Informal clothing for sports or lounging.

Basic campus wardrobe for men:

1. Slacks and sweaters or jackets
2. One dark suit or one mixed color suit
3. One light topcoat
4. One heavy topcoat
5. One pair of sport shoes
6. One pair of dress shoes
7. One bathrobe
8. One pair of bedroom slippers

It is suggested that students purchase uniform gymnasium attire at the Campus Book Store.

SPECIAL REGULATIONS

Living Off Campus

Students who desire to room off campus, other than in their own homes, must secure the written permission of the Dean of Men or the Dean of Women. A list of approved homes in Mansfield is available in the offices of the personnel deans. Financial arrangements for renting rooms or apartments are made directly between the homeowner and the students. All students must secure contracts from the personnel deans.

Married Students

All married students enrolled at the college will live off campus. A student planning to be married while enrolled in college must inform in writing his personnel dean, dean of instruction and registrar at least two weeks before the marriage date. Failure to comply with this request will result in administrative disciplinary action.

Student Automobiles

Juniors and Seniors are permitted automobiles at Mansfield State College. All vehicles must be registered with the Security Officer after written approval of the personnel deans. (See Student Handbook).

Student Activities

The student activities program at Mansfield offers opportunity for training in leadership and self-government and provides a well-balanced program of individual and group development. Membership in each organization is open to students who qualify according to the constitution of the organization. Supervision and coordination of the program are provided by the office of the Dean of Men and Dean of Women.

Social Activities

Dances, parties, receptions, and teas provide wholesome recreation and entertainment for students, and at the same time help to develop social poise and the talent for cooperative living.

Intercollegiate Athletics

Mansfield teams compete in intercollegiate football, basketball, baseball, golf, wrestling and track.

Recreational Activities

In addition to the intercollegiate program, a wide variety of intramural sports is encouraged. These include tennis, basketball, volleyball, softball, bowling, badminton, touch football, roller skating, shuffle board, wrestling and track. Many students also enjoy excellent hunting and fishing in the area, as well as winter sports.

Student Organizations

THE STUDENT COUNCIL. Each student is a member of the Mansfield Student Government Association. In order to carry on the business of this group, the students elect 16 members to serve on a Student Council. The council plans the activity program, approves the dates for college meetings and forwards student opinions to the administration. The success of student government depends on the interest and enthusiasm of each student.

Honor Fraternities

ALPHA PSI OMEGA. A national honorary dramatic fraternity. Membership is limited to outstanding participants in The Players.

KAPPA DELTA PI. An educational honorary society which aims to set up worthy scholastic and professional ideals, to recognize outstanding work in the field of teaching, and to establish teaching on a

higher plane in American professional life. Juniors having six and seniors having 12 semester hours of education, and who rank in the upper quintile of their class are eligible.

LAMBDA MU. A local music sorority which encourages high standards of musicianship and scholarship. To be eligible for membership, a woman music student must be at least a second semester sophomore. She must have earned an A in an applied music subject, an average of B in her music studies, and an average of C in her academic studies.

PHI MU ALPHA SINFONIA. A national musical fraternity for men who are interested in music either as a profession or as an avocation. The fraternity's aims are to advance the cause of music in America, to foster the mutual welfare and brotherhood of students of music, to develop true fraternal spirit among its members, and to encourage loyalty to the Alma Mater.

KAPPA OMICRON PHI. A national honorary home economics sorority. Members are selected on the basis of scholarship, professional attitude, and character. The number may not exceed 20 per cent of the enrollment. The aim of Kappa Omicron Phi is to develop women with higher ideals of sane living, with deeper appreciation of the sanctity of the American home, with broader social and higher intellectual and cultural attainments.

SIGMA ZETA. A national science honor society restricted to upper-classmen. It seeks to recognize ability and accomplishment in the various branches of science. Meetings, field trips, and special projects make active membership in the organization pleasurable and worthwhile.

GAMMA THETA UPSILON. An honorary national professional fraternity. Membership is open to both men and women students who have completed at least six semester hours in geography, have declared an intent to major or minor in geography, and have an over-all scholastic average of at least 2.0. It seeks to recognize ability and accomplishment in the field and to promote geographical education.

Musical Organizations

The number and organization of music groups vary from year to year. While these groups center around the Music Education curriculum, they are open to students from all departments who can meet the performing requirements.

BANDS. Mansfield has both concert and marching bands. The marching band is active during the football season, after which its personnel is absorbed into other wind organizations. Advanced concert ensembles rehearse throughout the school year.

ORCHESTRAS. The orchestras give students of all levels of technical proficiency experience in playing orchestral literature, and opportunities to observe orchestral procedures.

CHORUSES. The College Chorus studies a wide variety of choral literature. Membership is required of students in the upper three classes of the Music Department. The Freshmen Chorus is made up of first year students enrolled in Music Education. Its purpose is to develop desirable choral habits and standards through the study of musical literature within the understanding and performing skill of the less experienced student.

DANCE BAND. Both a professional and academic activity, the 16-piece dance band, known as the "Esquires," rehearses twice each week for academic credit, plays for large college dances and fills outside engagements.

OPERA WORKSHOP. Two major musical productions are presented during the academic year. A "road company" performs scenes from opera and musical comedy for schools and service clubs in the region. Singers, dancers, actors, musicians and stage craftsmen who meet the director's approval are welcomed.

SMALL ENSEMBLES. Two periods each week are kept open for rehearsals of small vocal and instrumental groups, which provide opportunity for the development of musicianship and the mastering of procedures and materials of the medium.

RENAISSANCE SINGERS. Eight vocalists are chosen to sing without accompaniment, seated around a table in the Elizabethan manner. The repertoire includes madrigals and folk songs. Recitals are given at the college and elsewhere by request.

Religious Organizations

STUDENT CHRISTIAN ASSOCIATION. Part of the Student Christian Movement, this organization is open to all students. It strives to develop spiritual, moral and social relationships among individuals. Programs of music and discussion are scheduled for weekly meetings.

NEWMAN CLUB. The purpose of this Catholic club is to foster the spiritual, intellectual and social interests of Catholic students. Activities include fall and spring communal breakfasts, spiritual talks by the clergy, panel discussions and social events.

KAPPA PHI. The aim of this organization is closer association among Methodist women for the promotion of religious training and a wholesome social life.

Departmental Clubs

ASSOCIATION FOR CHILDHOOD EDUCATION. An organization for students and faculty of the Elementary Education curriculum, the Association sponsors discussion of topics of common interest, seeks to promote closer fellowship among members and to help them become better teachers.

MUSIC EDUCATION CLUB. This departmental organization is open to all music students. It aims to acquaint members with current activities and developments in the field of music education. At monthly meetings, programs augment instructional activity. The organization sponsors a limited number of social events.

OMICRON GAMMA PHI. This organization for all home economics students holds monthly meetings consisting of lectures, reports and news in the home economics field. The organization keeps in close touch with related national activities.

ENGLISH CLUB. This is a professional organization which encourages significant reading and discussion of literature, including its relationship to the other arts. The English Club also provides a workshop for creative writing and presents literary programs.

GEOGRAPHY CLUB. To promote interest in geography, the club schedules movies, lectures and debates. Membership is open to students majoring or minoring in geography and to others who have attained a 3.0 average in geography and an overall average of 2.5.

Special Interest Clubs

ART CLUB. An honorary society for students who attain the grade of A in at least one semester of art, the Art Club is an affiliate of the Eastern Arts Association. It aims to promote an appreciation of the fine arts through both study and creative work.

THE PLAYERS. Students interested in acting are selected by try-out. Applications are welcome from students interested in costuming, makeup or staging.

DEBATE CLUB. Debate as a tool of citizenship is encouraged. Topics of national importance are prepared for intercollegiate, inter-club and radio presentation. The program includes both novice and varsity competition and is open to all interested students.

4-H. Purposes: to develop leadership and citizenship, to provide educational and recreational opportunities and to render service to the club, the community and the country.

INTERCOLLEGIATE CONFERENCE ON GOVERNMENT. Open to all students, this organization is guided by the motto of the state organization coined by Miss Genevieve Blatt, Secretary of Internal Affairs: "Our purpose is not to preach, not even to teach, but merely to provide a means whereby students may learn together how their government works." Within ICG, the student may become a member of the Young Democrats or Young Republicans if he so wishes.

LES JONGLEURS. Organized in 1962, this group aims to stimulate learning and presentation of folk songs and dances through film strips, a record library, slides, guest speakers and assembly programs.

M CLUB. Open to all men who have earned a varsity letter in one or more intercollegiate sports, this club aims to encourage wholesome living and good sportsmanship and to stimulate interest in athletics.

MANSFIELD OPEN FORUM. Members are interested in the exploration and discussion of important political, social and broadly intellectual issues. Members prepare reports on vital questions which serve as springboards for free floor discussion. Faculty and off-campus speakers are periodically invited.

MEN'S RECREATION ASSOCIATION. Established to create and develop interest in athletic and other recreational activities which may be enjoyed during and after college years; seeks to foster sportsmanship and clean living.

RADIO CLUB. Practical experience in writing, producing and acting of radio scripts is provided. Programs are taped in the Audio-Visual Laboratory for airing over Radio Station WNBT, Wellsboro, and elsewhere. Open to all interested students.

WOMEN'S ATHLETIC ASSOCIATION. Devoted to sports and recreation, this organization sponsors many activities. Members may use equipment owned by the Association. Climax of the annual program is the WAA breakfast each spring.

Publications

THE FLASHLIGHT. The college newspaper, published monthly, is written by students interested in journalism and distributed to all students and faculty members.

MANSFIELD REVIEW. The college literary magazine publishes articles, fiction, poetry and reviews by both faculty and students, and occasionally by non-campus guest contributors. In literary quality and intellectual content the *Review* maintains firm standards.

THE CARONTAWAN. Dedicated to student life at Mansfield, the yearbook is published by a board selected chiefly from the junior class. Each student receives a copy.

THE PASSWORD. This student handbook is published annually by the Student Council and is dedicated primarily to freshmen. It contains information about the college and campus life.

SPECIAL EVENTS

Assemblies

Assemblies are held in Straughn Auditorium Tuesdays at 2 P.M. Programs include class and student government meetings, concerts and presentations by campus organizations and such annual events as Convocation and Awards Assembly.

To supplement the general education program, several special assemblies are also held each semester. Featured are outstanding speakers and performers representing the various arts and sciences.

Mansfield Features

Famous lecturers and entertainers are brought to Mansfield for the annual Features Series. Past presentations have included Mrs. Eleanor Roosevelt, Victor Reisel, Vincent Price, the Rochester Philharmonic Orchestra, the Kai Winding Septet, Canadian Players and celebrated vocal and instrumental soloists. This year's series brings to the campus the New Danish Quartet, Grant Johannesen, Orchestra of San Pietro of Naples. Public admission is by subscription; student admission is by activities card.

Other Cultural Opportunities

Mansfield participates fully in the visiting scholarship program sponsored by learned societies of national scope. This program brings to the campus outstanding authorities in the major academic fields.

Recitals and concerts are given in Straughn Auditorium by faculty and advanced students.

Reorganized in 1961, the 65-piece Mansfield College-Community Symphony Orchestra gives several concerts each year.

Art shows are held regularly in the upper reading room of the Library and an art acquisition program was instituted in 1962.

Motion Pictures

Selected films are presented on the Straughn Auditorium screen, usually Friday evenings. Admission is by activities card.

THE GENERAL ALUMNI ASSOCIATION

The General Alumni Association of Mansfield State College is chartered under the laws of the Commonwealth of Pennsylvania for the purpose of fostering a spirit of fellowship and continuing loyalty to the college. The Association meets annually.

THE MANSFIELDIAN, official organ of the General Alumni Association, keeps the alumni informed of the progress of the college, of the activities of the alumni and the various alumni clubs. This publication is sent to all dues paying members of the association. The Alumni News Bulletin is sent annually to all alumni.

Homecoming in the fall, and Alumni Day during Commencement Week, are the two major campus events of the year for alumni. Alumni clubs in many parts of the country hold regional meetings.

The Alumni Association maintains permanent records of all graduates of the college. If the current address or other information is needed about a former student, correspondence should be addressed to the Alumni Office. Alumni visiting the campus are invited to visit the Alumni Office and to make it their headquarters while in the area. The Alumni Office is now located at 28 College Place.

INSTRUCTION

SCHOLASTIC REQUIREMENTS AND STANDARDS

Academic Counsel

Students are urged to make full use of the academic advisory service of the college. Academic guidance is not only available from a regularly assigned academic adviser, but also from the student's department chairman, instructors, and the Dean of Instruction. Regular faculty office hours are scheduled for this purpose.

A student should make his choice of curriculum with care. Information regarding the various fields of study offered at Mansfield may be obtained before enrollment from the Director of Admissions and department chairmen during interview. Since many students will undertake graduate study after completing their initial preparation for teaching, they should confer with college authorities regarding areas of specialization and courses.

Marking and Point System

Mansfield employs the following system in grading academic performance:

Grade	Interpretation	Quality Points
A	Excellent	4
B	Superior	3
C	Average	2
D	Passing	1
E	Incomplete	
F	Failure	0

In addition to these letter grades the following designations are used in special situations:

WP	Withdrew from course (passing at the time)
WF	Withdrew from course (failing at the time)
S	Satisfactory
U	Unsatisfactory
Ex	Credit by Examination
Aud	Audited

Instructors may correlate percentage scores with letter grades. For each correlation the following list of equivalents is presented as a guide, when applicable: A=90-100; B=80-89; C=70-79; D=60-69; F=below 59.

The academic standing of a student in every subject is reported at the close of each semester. The *quality point average* is an index to

the over-all quality of a student's academic work and represents his academic standing. This average is determined by dividing the sum of the quality points earned by the number of semester hours of work scheduled.

An F grade must be cleared by repeating the course. An E grade (incomplete) is used to denote unfinished work caused by death in the family, personal illness, accident, induction into military service, or other justifying circumstances. Removal of an E grade must be accomplished by completion of required work within two months after the beginning of the next regular semester or by re-scheduling of the course; otherwise the E grade will be recorded as a failing mark. Course work unfinished at the end of a semester because of negligence by a student will result in an F grade.

Students allowed to repeat a course will have the last final grade received in the course recorded.

Academic Standing

To remain in satisfactory academic standing a student must maintain a quality point average of 2.0 or better. A student whose overall quality point average falls below 2.0 at the close of any semester other than the first semester of his freshman year is generally permitted to attend the following semester on probation in an effort to raise this point average to a 2.0 or better. A student whose quality point average falls below 2.0 in the first semester of his freshman year is generally permitted two semesters on probation, provided his second semester average is 2.0. Any student whose quality point average remains below 2.0 at the close of his probationary period will be dismissed from college. A one-year interval must elapse before a student may be considered for reinstatement by the Committee for Student Academic Standing.

Class Status

Class status is determined by the total semester hours of work passed, including acceptable credits transferred from another college:

Credits	Class Status
0-29	Freshman
30-61	Sophomore
62-94	Junior
95-	Senior

Junior Class Standing

At the end of the sophomore year a student must achieve junior class standing, for which the following requirements must be met:

1. A minimal 62 semester hours of credit with a quality point average of 2.0 or better.

2. At least a C grade in both English I and English II.
3. An adequate level of achievement as measured by the sophomore comprehensive examinations in reading, writing, mathematics social studies, and science. Any student who does not achieve the level set by the college in these tests will be required to schedule a course in the discipline failed, and after successful completion of the course must be re-tested in that field before being accorded junior class standing.
4. Endorsement by the academic department as a prerequisite for continuing in a field of specialization.

No student may be assigned to student teaching without having achieved junior class standing. Additional requirements are stipulated by specific departments.

Credit Hours Scheduled

From 14 to 18 semester hours constitute a normal work schedule. A student desiring to carry more than 18 semester hours must obtain permission from his department chairman and the Dean of Instruction before registering. Such permission will be based upon the student's academic standing.

Dean's List and Honor Roll

The Dean's List, issued after the close of each semester, contains the names of those students who have earned an average of 3.5 or higher for the semester.

Superior scholastic achievement is recognized by means of the college honor roll. Such recognition becomes a permanent part of every graduating senior's record, with designations based upon cumulative point averages as indicated:

Honors	3.35 to 3.64
High Honors	3.65 to 3.94
Highest Honors	3.95 to 4.0

Credit by Examination

A student in good academic standing may request permission to take a comprehensive examination in a particular course offered by the college. All requests for credit by examination must be made to the department chairman involved and reviewed by the Dean of Instruction. A student must present evidence that he is sufficiently competent to warrant the examination. If the request is approved, the student will register for the course by the normal procedure used for all

courses. The semester hours of credit earned by examination will apply toward graduation requirements.

Advanced Placement Program

Courses taken before admission to college under the Advanced Placement Program conducted by the Educational Testing Service, Princeton, New Jersey, may be applied toward graduation requirements by students who are admitted to college to pursue one or more semester's work. To secure such credit the student must make formal application to the Office of the Dean of Instruction. The course must satisfy college requirements and the score on the Educational Testing Service examination must be satisfactory to college officials. If the request for advanced placement is approved, the student will register for the course and pay the established fee. Not more than twelve (12) credits earned by such examination may be applied toward graduation requirements.

Advanced Standing Credit from Other Colleges

Students wishing to transfer to Mansfield from other colleges should apply to the Director of Admissions. An applicant for transfer must provide a statement of honorable dismissal and an official transcript of his previous college record, and must meet the same entrance requirements as any other applicant. Advanced standing credit will be given for equivalent courses completed in approved institutions of collegiate status, but only courses completed with a grade at least one grade above the lowest passing grade will be accepted for credit.

A minimum residence of one year (32 semester hours) is mandatory for a degree or for the completion of a certification requirement.

Credit for Military Service

Veterans with a minimum of eighteen (18) months of honorable service in the United States Army, Navy, Marine Corps., and Air Force, may apply to the Dean of Instruction for credit in G-HPE 100 Health, and G-HPE 101, 102, 103, and 104 Physical Education.

Absence Policy

Students are referred to their handbook, *The Password*, for college policy covering absence from class.

Withdrawal from a Course

Withdrawal from a course is permitted only for justifiable reason, and with the approval of both department chairman and Dean of Instruction.

No notation of a course dropped will appear on the student's permanent record if he withdraws (a) during the first three weeks

of the semester, (b) during the first week of a six-week summer session. Withdrawal from a course after the period specified will not be approved except for adequate cause.

When such late withdrawal has been approved, the instructor will record on the student's class card the grade WP, if he is passing, or WF, if failing, at the time of withdrawal. A grade of WF will be evaluated as an F in quality points.

A student will receive an F in any course from which he withdraws without approval.

The following procedure is required for withdrawal from a course:

1. The student procures the necessary "drop" form in the office of the Dean of Instruction.
2. He submits this form to his instructor and his department chairman for approval, which will be indicated by their signatures and any comment added to the form.
3. The department chairman, after making the necessary changes in department records, transmits the "drop" form and student's class card (containing the instructor's notation) directly to the Office of the Dean of Instruction for final processing.

The same procedure is followed when a student wishes to add a course in place of a course dropped, except that he must also obtain the signed approval of the instructor of the course in which he wishes to enroll. Such substitution will not, however, be permitted at any time when there is reason to believe that the student cannot make up the work missed in the course he wishes to substitute.

Withdrawal from College

Any student dropping out of college is required to notify the Dean of Instruction and the Dean of Men or Women of intention to withdraw and the circumstances involved in order that the permanent record may be properly completed.

Readmission of Former Students and Maintenance of Matriculation

All former students who have not been in regular attendance during the academic year — Fall and Spring semesters — must be readmitted to the College. When readmitted, students will follow the degree requirements in effect at that time.

Students who are employed full-time while taking course work towards a degree must complete each year six (6) semester credits of acceptable course work towards their degree requirements. These credits may be taken in residence or as transfer courses to maintain their matriculation. The year being from September 1st to August 31st.

PROGRAMS OF INSTRUCTION

Basic Features of the Instructional Program

The following curricula represent a threefold aim: (a) to provide students with a more firmly based liberal education, (b) to strengthen preparation in subject fields, and (c) to promote a more vigorous and disciplined intellectual life. Courses in every curriculum encompass three main divisions: general education, professional education, and area of specialized study, representing together a minimum total of 128 semester hours for graduation.

All degree students are required to complete at least 60 semester hours of courses in general education as a principal integrative factor in their academic experience. It is here that they share the common values of our society in studies designed to broaden their intellectual horizon and to enhance their cultural life. Accordingly, a major part of the schedule of required general education courses is common to all the curricula offered.

General Education Courses Common to All Curricula*

48 Semester Hours

HUMANITIES (17 S.H.)

S.H.

G-Eng	101	English I	3
G-Eng	102	English II	3
G-Spc	101	Fundamentals of Speech	3
G-Eng	110	General Literature I	2
G-Eng	111	General Literature II	2
G-Art	101	Introduction to Art	2
G-Mus	101	Introduction to Music	2

NATURAL SCIENCES (15 S.H.)

G-Ma	101	Fundamental Concepts in Mathematics	3
G-Bio	101	Man and the Biological World I	3
G-Bio	102	Man and the Biological World II	3
G-Phy	101	Man and the Physical Universe I	3
G-Phy	102	Man and the Physical Universe II	3

SOCIAL STUDIES (12 S.H.)

G-SS	101	World Civilization I	3
G-SS	102	World Civilization II	3
G-SS	103	History of the U. S. and Pa. I	3
G-SS	104	History of the U. S. and Pa. II	3

*Except for variations or substitutions specified in programs for certain departments, as indicated in course schedules which follow.

HUMAN DEVELOPMENT AND BEHAVIOR (4 S.H.)

			S.H.
G-Ed	101	General Psychology	3
G-HPE	100	Health (Personal and Community)	1
G-HPE	101, 102, 103, 104	Physical Education	0

Restricted General Education Electives

General Education electives to complete the total of 60 semester hours will be confined to courses that are consonant with the objectives defined above. They include courses specified or recommended by each department, as well as courses chosen by students themselves. To complete this phase of the curriculum, most programs of study include modern foreign languages and an introductory course in philosophy, as indicated in schedules which follow.

Substitutions in General Education

As determined by a screening committee in the subject area concerned, and with the confirmation of the Dean of Instruction, a student properly qualified by advanced standing may be exempt from an otherwise required General Education course, and he may elect instead a more advanced or suitable course in the same field. The course substituted should be so designated in the student's record.

Honors Program

Through the honors program a student at Mansfield with an outstanding academic record is given an opportunity to pursue advanced individual study and research in his major course area, and to extend the scope of his work beyond the limits of a parallel course.

1. In order to be considered for honors work, a student must have attained an overall scholastic average of at least 2.8.
2. A petition for honors work must be submitted in writing by the student to the chairman of the major department in which he is enrolled. Such petition must be received by the chairman during the semester preceding the period in which the student plans to pursue honors work. The petition form may be secured from the office of the Dean of Instruction.
3. Students petitioning for honors courses will be screened for approval by the department chairman on the following points:
 - a. Over-all scholastic accomplishment,
 - b. Effectiveness in written and oral expression
 - c. Ability to perform independent study and research under close supervision.
4. Honors work will not constitute more than three semester hours of course credit per semester, and a total not exceeding twelve semester hours of credit toward the major field.

5. Honors work must meet high standards of scholarship. At least a B grade must be earned under rigorous standards for such work to receive credit as an honors course.
6. After an adviser from the student's major department has been selected to guide his honors program, they will together organize the work of the student's junior and senior years into a unified program.
7. Honors work will not take the place of regularly offered college course work, but will consist of work in phases of study not usually offered in the student's major field.
8. A student may be dropped from the honors program for the following reasons:
 - a. Failure to achieve a Quality Point Average of 2.5 for course work in the semester during which honors are taken.
 - b. Failure to produce scholarly work (as defined in 5, above).
 - c. Special circumstances (e.g., poor health) by mutual agreement of student and adviser.
9. Students withdrawing from the honors program after the completion of more than one semester of work will receive credit for work already accomplished, as determined jointly by the honors adviser, the department chairman and the Dean of Instruction.
10. On the student's record, honors courses will be listed as Honors I, Honors II, Honors III, and Honors IV, with a further designation appropriate to the nature of the study pursued; e.g., Honors I (Naturalism in the Novels of Frank Norris) or Honors II (Problems in Economic Geography).

Accelerated Programs

Students in good standing who wish to complete their work for a degree in less than the customary four years may do so by attending summer sessions. Courses for accelerating students are regularly scheduled during the summer. Those planning to obtain a degree in three years should confer in their first year with their department chairmen for special advice and schedule of studies.

Student Teaching and Professional Seminar

A semester of student teaching in the senior year normally completes the student's preservice professional experience. Student teaching is conducted under the guidance of master teachers and college supervisors at the Campus Elementary School and at cooperating elementary and secondary schools in areas served by the college. Stu-

dent teachers are encouraged to live in the community in which they are teaching. All student teaching assignments follow the public school calendar within each college semester.

Assignments to student teaching are made with the joint approval of the department chairman, the Dean of Instruction and the Director of Student Teaching. No student is eligible for assignment who has failed to achieve junior class standing and at least a 2.0 average in any field or fields in which he is to be certified, and a 2.0 average overall. Student should consult their department chairman concerning additional student teaching requirements.

A professional seminar is held for student teachers at times announced by the Director of Student Teaching. The seminar deals with legal and administrative aspects of public school teaching and provides opportunities for critiques of classroom experience.

CURRICULA

Mansfield State College offers the following undergraduate curricula:

1. Elementary Education (pages 53-55)
2. Secondary Education, comprising majors in the academic subjects taught in secondary schools (pages 55-65)
3. Music Education (pages 66-68)
4. Home Economics Education (pages 69-71)
5. Library Science Education (pages 72-74)
6. Liberal Arts
7. Degree Curriculum for Public School Nurses (page 75)
8. Degree Curriculum for Public School Dental Hygienists (pages 76-77)

Courses in "Safety Education," known also as "driver training," do not constitute a curriculum, but may be taken for certification by students in any of the major fields (page 77). Consult the Chairman, Department of Health and Physical Education, for further information on this program.

Sequence of courses is subject to change for administrative reasons.

ELEMENTARY EDUCATION CURRICULUM

GENERAL EDUCATION (60 SEMESTER HOURS)

			Cl.* Hrs.	Sem. Hrs.
G-Eng	101	English I	3	3
G-Eng	102	English II	3	3
G-Spc	101	Fundamentals of Speech	3	3
G-Eng	110	General Literature I	2	2
G-Eng	111	General Literature II	2	2
G-Art	101	Introduction to Art	3	2
G-Mus	101	Introduction to Music	3	2
G-Ma	101	Fundamental Concepts in Mathematics	3	3
G-Bio	101	Man and the Biological World I	4	3
G-Bio	102	Man and the Biological World II	4	3
G-Phy	101	Man and the Physical Universe I	4	3
G-Phy	102	Man and the Physical Universe II	4	3
G-SS	101	World Civilization I	3	3
G-SS	102	World Civilization II	3	3
G-SS	103	History of the U.S. and Pa. I	3	3
G-SS	104	History of the U.S. and Pa. II	3	3
G-Ed	101	General Psychology	3	3
G-HPE	100	Health (Personal and Community)	2	1
G-HPE	101	Physical Education I	2	0
G-HPE	102	Physical Education II	2	0
G-HPE	103	Physical Education III	2	0
G-HPE	104	Physical Education IV	2	0
Geog	202	Cultural Geography	3	3
General		Education electives		9

PROFESSIONAL PROGRAM (24 SEMESTER HOURS)

Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audiovisual Communication	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	400	Student Teaching	30	12
Ed	401	Professional Seminar	2	2

ELEMENTARY AREA PROGRAM (28 SEMESTER HOURS)

Ed El	250	Child Development	3	3
Ed El	260	Children's Literature	3	3
Ed El	280	Music for Elementary Grades	2	1
Ed El	281	Teaching Music in the Elementary Grades	3	2
Ed El (Art)	282	Teaching Art in the Elementary Grades	5	3
Ed El	283	Teaching of Reading	3	3
Ed El	284	Teaching of Arithmetic	3	3
Ed El	285	Methods I and Participation (Language, Health, Physical Education)	5	5
Ed El	286	Methods II and Participation (Social Studies, Science)	5	5

ELECTIVES FOR ELEMENTARY MAJORS (16 SEMESTER HOURS)

Electives organized for concentration in specific fields,
such as earth science or a modern foreign language. 16

TOTAL SEMESTER HOURS: 128

*Clock Hours or number of 50-minute class sessions per week.

Elementary Curriculum—Semester Schedule

FIRST SEMESTER

S.H.

G-Eng	101	English I	3
G-SS	101	World Civilization I	3
G-Bio	101	Man and the Biological World I	3
G-Ma	101	Fundamental Concepts in Mathematics	3
G-HPE	100	Health (Personal and Community)	1
G-HPE	101	Physical Education I	0
General		Education Elective	3
			16

SECOND SEMESTER

G-Eng	102	English II	3
G-SS	102	World Civilization II	3
G-Bio	102	Man and the Biological World II	3
G-Spc	101	Fundamentals of Speech	3
G-HPE	102	Physical Education II	0
Ed El	280	Music for Elementary Grades	1
General		Education Elective	3
			16

THIRD SEMESTER

G-Eng	110	General Literature I	2
G-Art	101	Introduction to Art	2
G-SS	103	History of the U.S. and Pa. I	3
G-Phy	101	Man and the Physical Universe I	3
G-Ed	101	General Psychology	3
G-HPE	103	Physical Education III	0
Ed El	281	Teaching Music in Elementary Grades	2
General		Education Elective	3
			18

FOURTH SEMESTER

G-Eng	111	General Literature II	2
G-Mus	101	Introduction to Music	2
G-SS	104	History of the U.S. and Pa. II	3
G-Phy	102	Man and the Physical Universe II	3
G-HPE	104	Physical Education IV	0
Ed	201	Educational Psychology	3
Elective			3
			16

FIFTH SEMESTER

Ed El	285	Methods I and Participation (Language, Health, Physical Education)	5
Ed El	283	Teaching of Reading	3
Ed El	282	Teaching of Art in Elementary Grades	3
Ed	202	Evaluative Techniques	2
Elective			3
			16

SIXTH SEMESTER

S.H.

Ed El	286	Methods II and Participation (Social Sciences, Science)	5
Ed El	284	Teaching of Arithmetic	3
Ed El	250	Child Development	3
Ed	215	Audiovisual Communication	2
Elective			3
			16

SEVENTH SEMESTER

Geog	202	Cultural Geography	3
Ed	230	History and Philosophy of Education	3
Ed El	260	Children's Literature	3
Electives			7
			16

EIGHTH SEMESTER

Ed	400	Student Teaching	12
Ed	401	Professional Seminar	2
			14

SECONDARY EDUCATION CURRICULUM

GENERAL EDUCATION PROGRAM (60 SEMESTER HOURS)

For the degree in Secondary Education students must complete 60 semester hours of courses in General Education as specified or recommended by the departments of their major fields. (See individual department programs, following.)

PROFESSIONAL EDUCATION PROGRAM

See individual department programs for schedule of professional courses in the secondary curriculum.

AREAS OF SPECIALIZATION

Schedules for major areas in the secondary curriculum are given under each department as indicated below:

Humanities Department

English

Speech

Foreign Languages

Mathematics Department

Science Department

Biology

Chemistry

Physics-Mathematics Comprehensive

Science Comprehensive

Social Sciences Department

Geography

History

Social Studies

Earth and Space Science: Schedules for majors in this area are coordinated by the Social Sciences and Science Departments.

SECOND FIELD OF SPECIALIZATION

The new regulations of the State Department of Public Instruction (effective October 1, 1963) have eliminated certification in minor fields as such. However, attention is called to the following statement in the DPI directive of May 1959:

A holder of a provisional college certificate may be granted a temporary certificate to teach additional academic subjects provided the individual has completed eighteen semester hours in the subject for which the temporary certificate may be issued. The temporary certificate may be granted at the request of an administrative official in the school district for a period not to exceed three years. Before the academic subject or subjects listed on the temporary certificate can be made a part of a provisional or permanent certificate, the eighteen semester hours shall be increased to the number of semester hours required for the subject field.

In view of this stipulation, students may be permitted, when possible, to accumulate a minimum of 18 semester hours in a second field, thus anticipating post-baccalaureate work leading to provisional or permanent certification in that field. Such second-field concentration is, of course, more feasible in certain areas than in others. For example, by taking six additional semester hours of a foreign language beyond the 12 for which, normally, there is room in his program, an English major could accumulate the basis for eventual certification in that area. Similarly, areas of emphasis may be developed in such combinations as social studies and geography, or English and speech. It should be noted, however, that not all programs permit of such extension into a second field of emphasis.

HUMANITIES DEPARTMENT

English Major*

GENERAL EDUCATION (63 SEMESTER HOURS)

Schedule of courses common to all curricula, except that G-Eng 110 and 111, General Literature I and II, are not taken: 44 S.H.

Additional General Education courses: 19
 Phil 201 Introduction to Philosophy
 SS 320 History of England
 Foreign language (French or German or Russian)**
 Remaining hours in free electives

PROFESSIONAL PROGRAM (29 SEMESTER HOURS)

		Cl. Hrs.	Sem. Hrs.
Ed	201 Educational Psychology	3	3
Ed	202 Evaluative Techniques	2	2
Ed	215 Audio-Visual Education	4	2
Ed	230 History and Philosophy of Education	3	3
Ed	240 Problems of Secondary Education	2	2
Eng	290 Teaching English in Secondary School	3	3
Ed	400 Student Teaching	30	12
Ed	401 Professional Seminar	2	2

AREA OF SPECIALIZATION (36 SEMESTER HOURS)

Eng	200 Survey of English Literature	3	3
Eng	201 Survey of English Literature	3	3
Eng	202 Survey of American Literature	3	3
Eng	210 Western World in Literature I	3	3
Eng	211 Western World in Literature II	3	3
Eng	225 English Philology and Grammar	3	3
Eng	235 Advanced Composition	3	3
Eng	250 Shakespeare	3	3
English electives			15

Speech Major

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula: 48 S.H.
 General Education electives: 12

Modern foreign language recommended

PROFESSIONAL PROGRAM (28 SEMESTER HOURS)

		Cl. Hrs.	Sem. Hrs.
Ed	201 Educational Psychology	3	3
Ed	202 Evaluative Techniques	2	2
Ed	215 Audio-Visual Education	4	2
Ed	230 History and Philosophy of Education	3	3
Ed	240 Problems of Secondary Education	2	2
Spc	290 Teaching Speech and Drama in Secondary School	2	2
Ed	400 Student Teaching	30	12
Ed	401 Professional Seminar	2	2

*Revised program, effective September 1962. Students may obtain schedules by semesters from the department.

**Minimum requirement contingent upon foreign language study completed in high school: 6 to 12 s.h. In special cases the language requirement may be waived by written authorization of the department chairman and other General Education courses substituted.

AREA OF SPECIALIZATION (24 SEMESTER HOURS)

G-Spc	101	Fundamentals of Speech	3	3
Spc	200	Oral Interpretation	3	3
Spc	210	Phonetics and Voice	3	3
Spc	250	Play Production	3	3
Speech electives				12

Second area of concentration: 16 S.H.

Major in Modern Foreign Language

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula: 48 S.H.

General Education electives: 12

Recommended by the department:

Introduction to Philosophy

Cognate courses in social studies

English Philology and Grammar

PROFESSIONAL PROGRAM (29 SEMESTER HOURS)

			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	202	Evaluative Techniques	2	2
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education	2	2
	290	Teaching of Foreign Languages	3	3
		(designated <i>Fr, Ger, Rus</i> or <i>Span</i>)		
Ed	400	Student Teaching	30	12
Ed	401	Professional Seminar	2	2

AREA OF SPECIALIZATION

A language major requires 24 semester hours beyond the elementary courses numbered 101 and 102.

All majors and minors must elect English 225, English Philology and Grammar.

A major in a given language requires 24 hours of courses in that language which must include: 225, 290, 301, 302 and 305.

A minor in a given language requires 18 hours of courses in that language which must include: 225, 301, 302 and 305.

Those seeking a Comprehensive Foreign Language Certificate must fulfill the major requirement as above, plus taking 12 hours in a second language which must include: 225 and 305. Credit may be received for 101 and 102 in this second language (subject to restrictions of prior preparation), but in this case, such students must take a total of 18 hours of course work within said language. In short, only students beginning study in 201, or above, in this second language require 12 hours. All others must have a total of 18 hours.

The study of a language will begin on a level determined by competency achieved in secondary school.

Language proficiency test is required in the senior year by language majors.

COMPREHENSIVE FOREIGN LANGUAGE CERTIFICATE (36 SEMESTER HOURS)

The State Council of Education on February 10, 1960, adopted the following requirements for a Comprehensive Foreign Language certificate:

1. The provisional college certificate may be issued to an applicant who has completed a minimum of 36 semester hours with not less than 24 semester hours in the first language and 12 semester hours in the second language. The applicant shall have proficiency in the area of conversation, reading and writing, which may be determined by an examination indicated in 2, below. Additional foreign languages may be added to the comprehensive language certificate with 12 semester hours.
2. The applicant may be certified on the basis of an examination to be determined by the Department of Public Instruction. The examination shall be in the area of specialization and professional education. The provisional foreign language certificate may be made permanent upon the completion of 18 semester hours in professional education and three years of satisfactory teaching. This proviso applies only to holders of the provisional foreign language certificates secured by examinations.
3. A college certificate to teach foreign language is valid for the teaching of foreign language in all grades of the public school.

MATHEMATICS DEPARTMENT*

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula except that G-Phy 101 and G-Phy 102 are replaced by Phy 201 and Phy 202, and G-Ma 101 is replaced by Ma 270 History and Philosophy of Mathematics:

Additional General Education courses:

(French or German or Russian recommended)

48 S.H.
12

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education	2	2
Ma	290	Teaching Mathematics in the Secondary School.....	2 - 3	(2) 3
Ed	400	Student Teaching	30	12
Ed	401	Professional Seminar	2	2

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

**Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
Ma	213	Differential Equations	3	3
Ma	220	Linear Algebra and Matrix Theory	3	3

*Revised program, effective September 1962. Schedule by semesters may be obtained from department.

**If preparation in algebra and trigonometry is not adequate to permit a student to proceed immediately to Ma 210, he must complete Ma 100 in addition to the courses listed. It is recommended that such student complete the algebra-trigonometry prerequisite in the summer preceding enrollment.

Ma	221	Modern Algebra	3	3
Ma	230	Modern Geometry	3	3
Ma	250	Probability and Statistics I	3	3
Mathematics electives				9
Optional electives (mathematics or science)				9

SCIENCE DEPARTMENT

Biology Major

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula except that
G-Bio 101 and G-Bio 102 are omitted 36 S.H.

Additional General Education courses:

G-Ma 102 Fundamental Concepts in Mathematics II

Sci 270 History and Philosophy of Science

Phy 151 General Physics I

Phy 152 General Physics II

Sci 400 also recommended

Electives (French or German or Russian recommended)

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education	2	2
Sci	290	Teaching Science in the Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	401	Professional Seminar	2	2

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

Bio	201	Zoology I	6	4
Bio	202	Zoology II	6	4
Bio	203	Botany I	6	4
Bio	204	Botany II	6	4
Chem	201	General Chemistry I	6	4
Chem	202	General Chemistry II	6	4
Chem	221	Organic Chemistry I	6	4
Chem	222	Organic Chemistry II	6	4
Biology electives (must include at least one field and one laboratory course):				10

Chemistry Major

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula except that
G-Phy 101 and G-Phy 102 are replaced by Phy 201 and Phy
202, and G-Ma 101 is replaced by Sci 270 History and
Philosophy of Science: 48 S.H.

Additional General Education courses: 12

(must include at least one year of German)

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2

Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education	2	2
Sci	290	Teaching Science in Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	401	Professional Seminar	2	2

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

Chem	201	General Chemistry I	6	4
Chem	211	Qualitative Analysis	6	4
Chem	213	Quantitative Analysis (Volumetric)	6	3
Chem	214	Quantitative Analysis (Gravimetric)	6	3
Chem	221	Organic Chemistry I	6	4
Chem	222	Organic Chemistry II	6	4
Chem	251	Physical Chemistry I	6	3
Chem	252	Physical Chemistry II	6	3
Chem	404	Chemistry Seminar	2	1
**Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
		Chemistry electives		4

Physics-Mathematics Comprehensive Major

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula except that G-Phy 101 and G-Phy 102 are replaced by Chem 201 and Chem 202 and G-Ma 101 is replaced by Sci 270 History and Philosophy of Science: 50 s.h.

Additional General Education courses: 10
(French or German or Russian recommended)

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

			<i>Cl. Hrs.</i>	<i>Sem. Hrs.</i>
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education	2	2
Sci	290	Teaching of Science in the Secondary School	2	2
		(Science 290 may be replaced by Ma 290 Teaching Mathematics in Sec. School)		
Ed	400	Student Teaching		12
Ed	401	Professional Seminar		2

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

Phy	201	General Physics I (Mechanics)	5	3
Phy	202	General Physics II (Heat and Electricity)	5	3
Phy	203	General Physics III (Optics and Modern Phy)....	5	3
Phy	400	Nuclear Science	4	3
**Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
Ma	213	Differential Equations	3	3
Ma	220	Linear Algebra and Matrix Theory	3	3
Ma	230	Modern Geometry	3	3
Ma	250	Probability and Statistics I	3	3
		Physics electives		9
		Earth Science elective		3

**If preparation in algebra and trigonometry is not adequate to permit a student to proceed immediately to Ma 210, he must complete Ma 100 in addition to the courses listed. It is recommended that such student complete the algebra-trigonometry prerequisite in the summer preceding enrollment.

Science Comprehensive Major*

GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula, but omitting

G-Bio 101 and 102, G-Phy 101 and 102, and G-Ma 101: 33 S.H.

Additional General Education courses:

Ma 100 Algebra and Trigonometry 3

Sci 270 History and Philosophy of Science 3

Earth Science electives 9

Optional General Education electives 12

(German or Russian or French recommended)

Students qualified to begin Mathematics with Ma 210

Analytic Geometry and Calculus I should substitute

another General Education elective under department

advisement in place of Ma 100.

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Ed	240	Problems of Secondary Education	2	2
Sci	290	Teaching Science in Secondary School	2	2
Ed	400	Student Teaching	30	12
Ed	401	Professional Seminar	2	2

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

Chem	201	General Chemistry I	6	4
Chem	202	General Chemistry II	6	4
Bio	201 or 203	Zoology I or Botany I	6	4
Bio	202 or 204	Zoology II or Botany II	6	4
Phy	201	General Physics I	5	3
Phy	202	General Physics II	5	3
Phy	203	General Physics III	5	3
Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
Science		electives		8

*Revised program, effective September 1962. Schedule by semester may be obtained from the department.

Major in Earth and Space Science

A major in Earth and Space Science may be completed by extension either of a major in Geography or a major in Science (Comprehensive) as indicated below.

EARTH AND SPACE SCIENCE* (MINIMAL 44 SEMESTER HOURS)

			Cl. Hrs.	Sem. Hrs.
Geog	201	Physical Geography	3	3
Geog	202	Cultural Geography	3	3
Geog	211	Meteorology	3	3
Geog	220	Physical Geology	3	3
Geog	230	Cartography	3	3
Geog	340	Land Use and Conservation or a course in regional geography (330 series)	3	3
Sci	200	Descriptive Astronomy	3	3
Bio	201	and 202 Zoology I and II or		
Bio	203	and 204 Botany I and II	12	8
**Ma	210	Analytic Geometry and Calculus I	3	3
Ma	211	Analytic Geometry and Calculus II	3	3
Ma	212	Analytic Geometry and Calculus III	3	3
Phy	201	and 202 General Physics I and II	10	6

Also recommended for Earth and Space Science and required to complete 24 sem. hrs. for a Geography major:

Geog	212	Introduction to Climatology	3	3
Geog	325	Geomorphology	3	3

*Students in this field do not take G-Bio 101, 102 or G-Phy 101, 102. Geog 201 and 202 are part of the General Education schedule.

**Students requiring Ma 100 Algebra and Trigonometry will schedule it as a General Education course.

SOCIAL SCIENCES DEPARTMENT*

Geography Major

COURSE REQUIREMENTS

I. GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula	48 S.H.
Phil 201 Introduction to Philosophy	3 S.H.
*Electives	9 S.H.
	60 S.H. 60

II. PROFESSIONAL PROGRAM (29 SEMESTER HOURS)

Ed 201 Educational Psychology	3 S.H.
Ed 202 Evaluation Techniques	2 S.H.
Ed 215 Audio-Visual Education	2 S.H.
Ed 230 History and Philosophy of Education	3 S.H.
Ed 240 Problems of Secondary Education	2 S.H.
Geog 290 Teaching Geography in the Secondary School	3 S.H.
Ed 400 Student Teaching	12 S.H.
Ed 401 Professional Seminar	2 S.H.
	29 S.H. 29

III. AREA OF SPECIALIZATION (33 SEMESTER HOURS)

Geog 201 Physical Geography	3 S.H.
Geog 202 Cultural Geography	3 S.H.
Geog 205 Economic Geography I	3 S.H.
Geog 206 Economic Geography II	3 S.H.
Geog 211 Meteorology	3 S.H.
Geog 220 Physical Geology	3 S.H.
Geog 230 Cartography and Graphics	3 S.H.
Course in regional Geography (330 series)	3 S.H.
SS 240 American Government	3 S.H.
SS 260 Principles of Economics	3 S.H.
SS 250 Introduction to Anthropology	3 S.H.
	33 S.H. 33

IV. SECOND AREA OF CONCENTRATION OR OPTIONAL ELECTIVES

IN GEOGRAPHY	6 S.H. 6
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Total Semester Hours	128
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Geography Major

SEMESTER SCHEDULE

FIRST SEMESTER				SECOND SEMESTER			
		English I	3	G-Eng 102	English II	3	
G-SS 101	World Civilization I	3		G-SS 102	World Civilization II	3	
G-Bio 101	Man and Bio World I	3		G-Bio 102	Man and Bio World II	3	
SS 250	Intro to Anthropology	3		SS 260	Principles of Economics	3	
Geog 201	Physical Geography	3		Geog 202	Cultural Geography	3	
G-HPE 101	Physical Education	0		G-HPE 100	Health	1	
				G-HPE 102	Physical Education II	0	
			15				16

*A foreign language sequence is strongly recommended. A student who does not elect a language sequence may, with his adviser's approval, apply General Education electives toward the second area of concentration (Division IV).

THIRD SEMESTER			
G-Eng	110	General Literature I	2
G-SS	103	History U.S. and Pa. I	3
G-Art	101	Introduction to Art	2
G-Sp	101	Fundamentals of Speech	3
Geog	205	Economic Geography I	3
Geog	211	Meteorology or	
Gen Ed	Elective		3
G-HPE	103	Physical Education	0
			16

FOURTH SEMESTER			
G-Eng	111	General Literature II	2
G-SS	104	History U.S. and Pa. II	3
G-Mus	101	Introduction to Music	2
G-Ma	101	Fundamentals of Math	3
Geog	206	Economic Geography II	3
Geog	230	Cartography & Graphics or	
Geog	220	Physical Geology	3
G-HPE	104	Physical Education IV	0
			16

FIFTH SEMESTER			
G-Ed	101	General Psychology	3
Ed	240	Problems Secondary Ed	2
G-Phy	101	Man and Phy Universe I	3
Geog	290	Teaching Geog Sec Sch	3
Elective	(2nd area of concentration)		3
Geog	211	Meteorology or	
Gen Ed	Elective		3
			17

SIXTH SEMESTER			
Ed	201	Educational Psychology	3
Geog	220	Physical Geology or	
Geog	230	Cartography & Graphics	3
G-Phy	102	Man and Phys Universe II	3
Geog	Elective	(Regional, 330 Series)	3
SS	240	American Government	3
Gen Ed	Elective		3
			18

SEVENTH SEMESTER			
Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Education	2
Phil	201	Intro to Philosophy	3
Ed	230	Hist and Philos of Ed	3
Gen Ed	Elective		3
Ed	201	Professional Seminar	2
Elective	(2nd area of concentration)		3
			18

EIGHTH SEMESTER			
Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Education	2
Phil	201	Intro to Philosophy	3
Ed	230	Hist and Philos of Ed	3
Gen Ed	Elective		3
Ed	201	Professional Seminar	2
Elective	(2nd area of concentration)		3
			18

OR			
Ed	400	Student Teaching	12

OR			
Ed	400	Student Teaching	12

History Major

COURSE REQUIREMENTS

I. GENERAL EDUCATION (60 SEMESTER HOURS)

Schedule of courses common to all curricula	48 S.H.
Phil 201 Introduction to Philosophy	3 S.H.
*Electives	9 S.H.

60 60

II. PROFESSIONAL PROGRAM (29 SEMESTER HOURS)

Ed 201 Educational Psychology	3 S.H.
Ed 202 Evaluative Techniques	2 S.H.
Ed 215 Audio-Visual Education	2 S.H.
Ed 230 History and Philosophy of Education	3 S.H.
Ed 240 Problems of Secondary Education	2 S.H.
Ed 290 Teaching Social Studies in Sec. Sch.	3 S.H.
Ed 400 Student Teaching	12 S.H.
Ed 401 Professional Seminar	2 S.H.

29 S.H. 29

III. AREA OF SPECIALIZATION (33 SEMESTER HOURS)

Courses in History. Must include a minimum of 6 Semester Hours in each of the following fields; American, European, and non-Western

SS 260 Principles of Economics	3 S.H.
SS 240 American Government	3 S.H.
SS 250 Introduction to Anthropology	3 S.H.

33 S.H. 33

*A foreign language is strongly recommended. A student who does not elect a language sequence may, with his adviser's approval, apply General Education electives toward the second areas of concentration (Division IV).

IV. SECOND AREA OF CONCENTRATION OR OPTIONAL ELECTIVES 6 S.H. 6
 Total Semester Hours 128

History Major

SEMESTER SCHEDULE

FIRST SEMESTER			SECOND SEMESTER		
G-Eng	101	English I	G-Eng	102	English II
G-SS	101	World Civilization I	G-SS	102	World Civilization II
G-Bio	101	Man & Bio World I	G-Bio	102	Man & Bio World II
SS	250	Intro to Anthropology or	SS	260	Principles of Economics or
SS	260	Principles of Economics	SS	250	Intro to Anthropology
G-Spc	101	Fund of Speech	G-Ma	101	Fund of Math
G-HPE	101	Physical Education I	G-HPE	100	Health
			G-HPE	102	Physical Education II
		15			16
THIRD SEMESTER			FOURTH SEMESTER		
G-Eng	110	General Literature I	G-Eng	111	General Literature II
G-Art	101	Intro to Art	G-Mus	101	Intro to Music
G-SS	103	History U.S., and Pa. I	G-SS	104	History U.S., and Pa. I
G-SS	240	American Gov. or	Gen Ed		Elective or
Gen Ed		Elective	G-SS	240	American Gov.
Phil	201	Intro to Philosophy or	History		Requirement (Europe or non-West)
History		Requirement (Europe or non-West)	or Phil	201	Intro to Phil
Elective		(2nd area of concentration)	G-SS		Elective (2nd area of concentration)
G-HPE	103	Physical Education III	G-HPE	104	Physical Education IV
		16			16
FIFTH SEMESTER			SIXTH SEMESTER		
G-Ed	101	General Psychology	Ed	201	Educational Psychology
Ed	240	Problems Secondary Ed	G-Phy	102	Man & Physical Universe II
G-Phy	101	Man & Physical Universe I	History		requirement or
SS	290	Teach. Soc. Stud. Sec Sch or	SS	290	Teach Soc Stud Sec Sch
History		requirement	History		requirement or
Gen Ed		Elective or	Gen Ed		Elective
History		requirement	History		requirement
		17			18
SEVENTH SEMESTER			EIGHTH SEMESTER		
Ed	202	Evaluative Techniques	Ed	202	Evaluative Techniques
Ed	215	Audio-Visual Education	Ed	215	Audio-Visual Education
Ed	230	History and Philos of Ed	Ed	230	History and Philos of Ed
Ed	401	Professional Seminar	Ed	401	Professional Seminar
Gen Ed		Elective	Gen Ed		Elective
History		requirements	History		requirements
		18			18
OR			OR		
Ed	400	Student Teaching	Ed	400	Student Teaching

NOTE: Courses taken to fulfill History requirements must include a minimum of 6 semester hours in each of the following fields, American, European, and non-Western.

Social Studies Major

I. GENERAL EDUCATION (60 SEMESTER HOURS)	
Schedule of courses common to all curricula	48 S.H.
Phil 201 Introduction to Philosophy	3 S.H.
*Electives	9 S.H.

60 60

*A foreign language is strongly recommended. A student who does not elect a language sequence may, with his advisor's approval combine General Education electives with electives in Social Science to form an area of concentration in a particular Social Science field.

II. PROFESSIONAL PROGRAM (29 SEMESTER HOURS)

Ed	201	Educational Psychology	3 S.H.
Ed	202	Evaluative Techniques	2 S.H.
Ed	215	Audio-Visual Education	2 S.H.
Ed	230	History and Philosophy of Education	3 S.H.
Ed	240	Problems of Secondary Education	2 S.H.
SS	290	Teaching Social Studies in Sec. Sch.	3 S.H.
Ed	400	Student Teaching	12 S.H.
Ed	401	Professional Seminar	2 S.H.

29 S.H. 29

III. AREA OF SPECIALIZATION (39 SEMESTER HOURS)

SS	205	Twentieth-Century American History	3 S.H.
SS	223	Europe in the Twentieth Century	3 S.H.
SS	240	American Government	3 S.H.
SS	340	State and Local Government in the U.S.	3 S.H.
SS	245	Comparative Government or	
SS	247	International Relations	3 S.H.
SS	260	Principles of Economics	3 S.H.
SS	270	Principles of Sociology	3 S.H.
Geog	201	Physical Geography	3 S.H.
Geog	202	Cultural Geography	3 S.H.
SS	360	Contemporary Economic Problems or	
SS	270	Contemporary Social Problems	3 S.H.
SS	250	Introduction to Anthropology	3 S.H.
		Electives in Social Science	6 S.H.

39 S.H. 39

Total Semester Hours 128

Social Studies Major SEMESTER SCHEDULE

FIRST SEMESTER

G-Eng	101	English I	3
G-SS	101	World Civilization I	3
G-Bio	101	Man & Bio World I	3
G-Spc	101	Fund of Speech	3
Geog	201	Physical Geog	3
G-HPE	101	Physical Ed I	0

15

SECOND SEMESTER

G-Eng	102	English II	3
G-SS	102	World Civilization II	3
G-Bio	102	Man & Bio World II	3
G-Ma	101	Fund Concepts Math	3
Geog	202	Cultural Geog	3
G-HPE	100	Health	1
G-HPE	102	Physical Ed II	0

16

THIRD SEMESTER

G-Eng	110	Gen Lit I	2
G-Art	101	Intro to Art	2
G-SS	103	Hist U.S. & Pa. I	3
SS	240	American Government	3
SS	270	Prin of Sociology or	
SS	201	Intro to Philos	3
SS	250	Intro to Anthropol or	
SS	260	Prin of Economics	3
G-HPE	103	Physical Ed III	0

16

FOURTH SEMESTER

G-Eng	111	Gen Lit II	2
G-Mus	101	Intro to Music	2
G-SS	104	Hist U.S. & Pa. II	3
SS	340	State & Local Gov, U.S.	3
Phil	201	Intro to Phil or	
SS	270	Prin of Sociology	3
SS	260	Prin of Economics or	
SS	250	Intro to Anthropology	3
G-HPE	104	Physical Ed IV	0

16

FIFTH SEMESTER

G-Ed	101	Gen Psychology	3
Ed	240	Problems of Sec Ed	2
G-Phy	101	Man & Phys Univ I	3
SS	205	20th Cent Am Hist or	
SS	223	Eur in 20th Cent	3
Gen Ed		Elective or	
SS	290	Teach Soc Stud Sec Sch	3
SS	245	Comparative Gov or	
SS		Elective	3

17

SIXTH SEMESTER

Ed	201	Ed Psychology	3
Gen Ed		Elective	3
G-Phy	102	Man & Phys Univ II	3
SS	223	Eur in 20th Cent or	
SS	205	20th Cent Am Hist	3
SS	290	Teach Soc Stud Sec Sch or	
Gen Ed		Elective	3
SS	247	International relation or	
SS		Elective	3

18

SEVENTH SEMESTER				EIGHTH SEMESTER			
Ed	202	Evaluative Techniques	2	Ed	202	Evaluative Techniques	2
Ed	215	Audio-Visual Ed	2	Ed	215	Audio-Visual Ed	2
Ed	230	Hist & Philos of Ed	3	Ed	230	Hist & Philos of Ed	3
Ed	401	Professional Seminar	2	Ed	401	Professional Seminar	2
SS	360	Contemporary Econ Prob	3	SS	370	Contemporary Soc Prob	3
Gen Ed	Elective		3	Gen Ed	Elective		3
SS	Elective		3	SS	Elective		3
18				18			
OR				OR			
Ed	400	Student Teaching	12	Ed	400	Student Teaching	12

MUSIC EDUCATION CURRICULUM

GENERAL EDUCATION (60 SEMESTER HOURS)				Cl.* Hrs.	Sem. Hrs.
G-Eng	101	English I		3	3
G-Eng	102	English II		3	3
G-Spc	101	Fundamentals of Speech		3	3
Eng	201	Survey of English Literature		3	3
Eng	202	Survey of American Literature		3	3
G-Art	101	Introduction to Art		3	2
G-Ma	101	Fundamental Concepts in Mathematics		3	3
G-Bio	101	Man and the Biological World I		4	3
G-Bio	102	Man and the Biological World II		4	3
G-Phy	101	Man and the Physical Universe I		4	3
G-Phy	102	Man and the Physical Universe II		4	3
G-SS	101	World Civilization I		3	3
G-SS	102	World Civilization II		3	3
G-SS	103	History of the U.S. and Pa. I		3	3
G-SS	104	History of the U.S. and Pa. II		3	3
G-Ed	101	General Psychology		3	3
G-HPE	100	Health (Personal and Community)		2	1
G-HPE	101	Physical Education I		2	0
G-HPE	102	Physical Education II		2	0
G-HPE	103	Physical Education III		2	0
G-HPE	104	Physical Education IV		2	0

ADDITIONAL GENERAL EDUCATION COURSES AS FOLLOWS:

Mus	200	Survey of Music Literature	2	2
Mus	205	Eurhythmics I	2	1
Mus	211	Basic Music I	4	3
Mus	301	Music History I	3	3
Mus	302	Music History II	3	3

PROFESSIONAL PROGRAM (32 SEMESTER HOURS)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Mus	221	Methods I	3	2
Mus	222	Methods II	3	2
Mus	223	Methods III	3	2
Mus	231	Conducting I	3	3
Mus	232	Conducting II	3	3
Ed (Mus)	400	Student Teaching and Related Activities	30	12

*Clock Hours or number of 50-minute class sessions per week.

AREA OF SPECIALIZATION (36 SEMESTER HOURS)

Mus	206	Eurhythmics II	2	1
Mus	212	Basic Music II	4	3
Mus	213	Basic Music III	5	4
Mus	214	Basic Music IV	5	4
Mus	240-249	Applied Music (7 semesters, 3 credits each)		21
Music		Theory elective		3

TOTAL SEMESTER HOURS: 128

Music Education Curriculum—Semester Schedule

FIRST SEMESTER

				S.H.
G-Eng	101	English I	3	
G-SS	101	World Civilization I	3	
G-Bio	101	Man and the Biological World I	3	
G-HPE	101	Physical Education I	0	
Mus	211	Basic Music I	3	
		Applied Music (individually designated)	3	
				15

SECOND SEMESTER

G-Eng	102	English II	3	
G-SS	102	World Civilization II	3	
G-Bio	102	Man and the Biological World II	3	
G-HPE	102	Physical Education II	0	
Mus	200	Survey of Music Literature	2	
Mus	205	Eurhythmics I	1	
Mus	212	Basic Music II	3	
		Applied Music (individually designated)	3	
				18

THIRD SEMESTER

Eng	201	Survey of English Literature	3	
G-SS	103	History of the U.S. and Pa. I	3	
G-Phy	101	Man and the Physical Universe I	3	
G-HPE	103	Physical Education III	0	
Mus	206	Eurhythmics II	1	
Mus	213	Basic Music III	4	
		Applied Music (individually designated)	3	
				17

FOURTH SEMESTER

Eng	202	Survey of American Literature	3	
G-Art	101	Introduction to Art	2	
G-SS	104	History of U.S. and Pa. II	3	
G-Phy	102	Man and the Physical Universe (including Acoustics for Music)	3	
G-HPE	104	Physical Education IV	0	
Mus	214	Basic Music IV	4	
		Applied Music (individually designated)	3	
				18

FIFTH SEMESTER

G-HPE	100	Health (Personal and Community)	1
G-Ed	101	General Psychology	3
G-Mus	301	Music History I (General Education area)	3
Ed	215	Audio-Visual Education	2
Mus	221	Methods I	2
Mus	231	Conducting I	3
		Applied Music (individually designated)	3
			17

SIXTH SEMESTER

G-Spc	101	Fundamentals of Speech	3
G-Mus	302	Music History II (General Education area)	3
Ed	201	Educational Psychology	3
Mus	222	Methods II	2
Mus	232	Conducting II	3
Mus	235	Orchestration	2
		Applied Music (individually designated)	3
			19

SEVENTH SEMESTER

G-Ma	101	Fundamental Concepts in Mathematics	3
Ed	230	History and Philosophy of Education	3
		Music Theory elective	3
Mus	390	Directed Study (seminar project)	3
		Applied Music (individually designated)	3
			15

EIGHTH SEMESTER

Ed (Mus)	400	Student Teaching and Related Activities	12
Mus	223	Methods III	2
			14

HOME ECONOMICS EDUCATION CURRICULUM*

GENERAL EDUCATION (60 SEMESTER HOURS)			Cl.** Hrs.	Sem. Hrs.
G-Eng	101	English I	3	3
G-Eng	102	English II	3	3
G-Spc	101	Fundamentals of Speech	3	3
G-Eng	110	General Literature I	2	2
G-Eng	111	General Literature II	2	2
G-Art	101	Introduction to Art	3	2
G-Mus	101	Introduction to Music	3	2
G-Ma	101	Fundamental Concepts in Mathematics	3	3
G-Bio	101	Man and the Biological World I	4	3
G-Bio	102	Man and the Biological World II	4	3
G-Phy	101	Man and the Physical Universe I	4	3
G-Phy	102	Man and the Physical Universe II	4	3
Chem	201	General Chemistry I and	6	4
Chem	202	Elementary Organic and Biochemistry	6	4
G-SS	101	World Civilization I	3	3
G-SS	102	World Civilization II	3	3
G-SS	103	History of the U.S. and Pa. I	3	3
G-SS	104	History of the U.S. and Pa. II	3	3
G-Ed	101	General Psychology	3	3
G-HPE	100	Health (Personal and Community)	2	1
G-HPE	101	Physical Education I	2	0
G-HPE	102	Physical Education II	2	0
G-HPE	103	Physical Education III	2	0
G-HPE	104	Physical Education IV	2	0
G-HEc	240	The Adolescent	3	3
Art	345	Design Techniques (recommended elective)	5	3
General	Education electives			4-6

PROFESSIONAL PROGRAM (26 SEMESTER HOURS)

Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
H Ec	200	Home Economics Orientation	1	1
H Ec	250	Home Economics Education in Secondary School	4	4
H Ec	290	Adult Homemaking Education	1	1
Ed (H Ec)	400	Student Teaching and Related Activities	30	12

AREA OF SPECIALIZATION (42 SEMESTER HOURS)

HEc	201	Clothing Construction, Selection and Purchasing I	6	4
HEc	202	Clothing II a & b (Elementary Textiles and Tailoring)	6	4
HEc	215	Food and Nutrition I	6	4
HEc	216	Foods and Nutrition II	6	4
HEc	221	Consumer Economics and Family Finance	3	3
HEc	223	Housing and Home Furnishings	4	3
HEc	224	Household Care and Equipment	2	2
HEc	225	Home Management (Residence)	9	3
HEc	231	Child Development and Nursery School	7	4
HEc	235	Family Relations/Home and Family Living	3	3
HEc	320	Management Principles of Home Operation	2	2

*Revised program, effective September 1962.

**Clock hours or number of 50 minute class sections per week.

Electives from following list	6	
H Ec 301 Advanced Textiles	3	2
H Ec 302 Costume Design	3	2
H Ec 303 Advanced Clothing	6	3
H Ec 304 Problems in Home Furnishings	3	2
H Ec 305 Special Problems in Clothing	6	3
H Ec 317 Nutrition	4	3
H Ec 318 Advanced Foods	7	3
H Ec 319 The Pre-school Child	3	3
H Ec 322 Special Problems in Home Economics....		1-4
H Ec 355 Current Trends and Developments in the Home Economics Curriculum		3
TOTAL SEMESTER HOURS:		128

Home Economics Curriculum—Semester Schedule

FIRST SEMESTER

			S.H.
G-Eng	101	English I	3
G-SS	101	World Civilization I	3
G-Bio	101	Man and the Biological World I	3
G-Spc	101	Fundamentals of Speech	3
HEc	200	Home Economics Orientation	1
HEc	201*	Clothing Construction, Selection and Purchasing I	4
G-HPE	101	Physical Education I	0
			17

SECOND SEMESTER

G-Eng	102	English II	3
G-SS	102	World Civilization II	3
G-Bio	102	Man and the Biological World II	3
G-Ma	101	Fundamental Concepts in Mathematics	3
HEc	215*	Foods and Nutrition I	4
G-HPE	100	Health (Personal and Community)	1
G-HPE	102	Physical Education II	0
			17

THIRD SEMESTER

G-Eng	110	General Literature I	2
G-Mus	101	Introduction to Music	2
G-SS	103	History of the U.S. and Pa. I	3
G-Phy	101	Man and the Physical Universe I	3
	or		
Chem	201	General Chemistry I	4
G-Ed	101	General Psychology	3
HEc	202*	Clothing II a & b (Elementary Textiles and Tailoring)	4
G-HPE	103	Physical Education III	0
			17 or 18

*Foods and clothing courses alternate—may be assigned either semester.

FOURTH SEMESTER

			S.H.
G-Eng	111	General Literature II	2
G-Art	101	Introduction to Art	2
G-SS	104	History of the U.S and Pa. II	3
G-Phy	102	Man and the Physical Universe II	3
	or		
Chem	202	Elementary Organic and Biochemistry	4
HEc	216*	Foods and Nutrition II	4
Ed	201	Educational Psychology	3
G-HPE	104	Physical Education IV	0
			17 or 18

FIFTH SEMESTER

HEc	223	Consumer Economics and Family Finance	3
HEc	231	Child Development and Nursery School	4
	or		
HEc	235	Family Relations/Home and Family Living	3
G-HEc	240	The Adolescent	3
Home	Economics Elective		3
General	Education elective		3
			15 or 16

SIXTH SEMESTER

HEc	223	Housing and Home Furnishings	3
HEc	224	Household Care and Equipment	2
HEc	231	Child Development and Nursery School	4
	or		
HEc	235	Family Relations/Home and Family Living	3
HEc	250	Home Economics Education in Secondary School	4
HEc	290	Adult Homemaking Education	1
Home Economics Elective or			3
General Education elective			3
			16 or 17

SEVENTH SEMESTER

Ed	215	Audio-Visual Education	2
Ed	230	History and Philosophy of Education	3
HEc	225	Home Management (Residence)	3
HEc	320	Management Principles of Home Operation	2
Home Economics elective			3
General Education elective			3
			16

EIGHTH SEMESTER

Ed (HEc)	400	Student Teaching and Related Activities	12
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*Food and clothing courses a alternate — may be assigned either semester.

LIBRARY SCIENCE CURRICULUM*

The Library Science curriculum is designed to prepare school librarians for the Commonwealth of Pennsylvania and to provide a good foundation for possible graduate study. The future librarian, following the course of study here outlined, should be competent in the techniques and knowledge essential for the selection, evaluation, organization and use of library materials of all kinds.

As the director of the instructional materials resource center for the school program, the school librarian should have a broad background of knowledge with a concentration in one subject area in addition to library science. This greater depth of knowledge in a specific subject is important not only for the role of librarian but also as the basis for eventual graduate work.

Students who plan to become school librarians are expected to have a reading knowledge of at least one modern foreign language. Evidence of this knowledge can be supplied by successful completion of two years of a language in high school and one year of college study of the same language. If the student has not studied a modern foreign language in high school, he will be expected to complete two years of a modern foreign language in college.

GENERAL EDUCATION (60 SEMESTER HOURS)				Cl.** Hrs.	Sem. Hrs.
G-Eng	101	English I	3	3	3
G-Eng	102	English II	3	3	3
G-Spc	101	Fundamentals of Speech	3	3	3
G-Eng	110	General Literature I	2	2	2
G-Eng	111	General Literature II	2	2	2
G-Art	101	Introduction to Art	3	2	2
G-Mus	101	Introduction to Music	3	2	2
G-Ma	101	Fundamental Concepts in Mathematics	3	3	3
G-Bio	101	Man and the Biological World I	4	3	3
G-Bio	102	Man and the Biological World II	4	3	3
G-Phy	101	Man and the Physical Universe I	4	3	3
G-Phy	102	Man and the Physical Universe II	4	3	3
G-SS	101	World Civilization I	3	3	3
G-SS	102	World Civilization II	3	3	3
G-SS	103	History of the U.S. and Pa. I	3	3	3
G-SS	104	History of the U.S. and Pa. II	3	3	3
G-Ed	101	General Psychology	3	3	3
Phil	201	Introduction to Philosophy	3	3	3
G-HPE	100	Health (Personal and Community)	2	1	1
G-HPE	101	Physical Education I	2	0	0
G-HPE	102	Physical Education II	2	0	0
G-HPE	103	Physical Education III	2	0	0
G-HPE	104	Physical Education IV	2	0	0
Foreign language elective (minimal)				6	6
Open General Education elective					3

*Revised program, effective September 1962.

**Clock Hours or number of 50-minute class sessions per week.

PROFESSIONAL EDUCATION (20 SEMESTER HOURS)			Cl. Hrs.	Sem. Hrs.
Ed	201	Educational Psychology	3	3
Ed	215	Audio-Visual Education	4	2
Ed	230	History and Philosophy of Education	3	3
Lib (Ed)	400	Library Practice	30	12

SUBJECT AREA OF CONCENTRATION (24 SEMESTER HOURS)

Courses in a single subject field (English, foreign language, history, etc.) or in cognate fields under department advisement.

AREA OF SPECIALIZATION (24 SEMESTER HOURS)

Lib	211	Introduction to Librarianship	3	3
Lib	212	Library Organization and Administration	3	3
Lib	221	Reference Services and Materials	3	3
Lib	242	Cataloging and Classification	3	3
Lib	280	Non-Book Materials	3	3
Lib	285	Curriculum Materials	3	3

Two of the following book selection courses: 6 6

Lib 260	Book Selection for Children	3-3
Lib 261	Young People's Literature	3-3
Lib 262	Adult Literature	3-3
Lib 263	Story Telling and Reading Guidance	3-3

EXTENSION OF CERTIFICATION TO INCLUDE SCHOOL LIBRARIAN

A college certificate may be extended to include library science on the satisfactory completion of 24 semester hours of courses selected from an approved curriculum in library science.

Library Science Curriculum—Semester Schedule

FIRST SEMESTER

			S.H.
G-Eng	101	English I	3
G-SS	101	World Civilization I	3
G-Bio	101	Man and the Biological World I	3
G-Ma	101	Fundamental Concepts in Mathematics	3
G-HPE	101	Physical Education I	0
General		Education elective	3
			15

SECOND SEMESTER

G-Eng	102	English II	3
G-SS	102	World Civilization II	3
G-Bio	102	Man and the Biological World II	3
G-Spc	101	Fundamentals of Speech	3
G-HPE	100	Health (Personal and Community)	1
G-HPE	102	Physical Education II	0
Lib	211	Introduction to Librarianship	3
			16

THIRD SEMESTER

			S.H.
G-Eng	110	General Literature I	2
G-Art	101	Introduction to Art	2
G-Phy	101	Man and the Physical Universe I	3
G-HPE	103	Physical Education III	0
Lib	212	Library Organization and Administration	3
General		Education elective (foreign language)	3
Subject	area	elective	3
			16

FOURTH SEMESTER

G-Eng	111	General Literature II	2
G-Mus	101	Introduction to Music	2
G-Phy	102	Man and the Physical Universe II	3
G-HPE	104	Physical Education IV	0
Lib	260	Book Selection for Children	
or			
Lib	261	Young People's Literature	3
General		Education elective (foreign language)	3
Subject	area	elective	3
			16

FIFTH SEMESTER

G-SS	103	History of the U.S. and Pa. I	3
G-Ed	101	General Psychology	3
Ed	215	Audio-Visual Education	2
Lib	262	Adult Literature	
or			
Lib	263	Story Telling and Reading Guidance	3
Lib	280	Non-Book Materials	3
Subject	area	elective	3
			17

SIXTH SEMESTER

G-SS	104	History of the U.S. and Pa. II	3
Ed	201	Educational Psychology	3
Lib	221	Reference Services and Materials	3
Lib	285	Curriculum Materials	3
Subject	area	electives	6
			18

SEVENTH SEMESTER

Ed	230	History and Philosophy of Education	3
Phil	201	Introduction to Philosophy	3
Lib	242	Cataloging and Classification	3
Subject	area	electives	9
			18

EIGHTH SEMESTER

Lib (Ed)	400	Library Practice	12
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A PROGRAM IN THE LIBERAL ARTS AND SCIENCES

Objectives of the Program

The purpose of the Mansfield program in the liberal arts and sciences is to foster that discipline of mind which can relate specialized knowledge to general knowledge and guide the individual to the recognition and evaluation of his responsibilities as a member of the family of man. Such an education does not properly have for its purpose the building of specialized competencies for direct application in a business or professional career. Accordingly, the program planned by Mansfield State College will provide a design of formal studies and of extracurricular activities organized for the cultivation of a disciplined intellect and will, the development of a better understanding of one's self and our world, and the assimilation of the values shared by men of reason and integrity in any truly civilized society. Inseparable from these aims, and necessary in preparation for an effective role in life, the following attainments will be emphasized as well in the Mansfield program: (a) clarity and precision in writing and speaking, (b) mastery of the fundamental concepts and essential body of knowledge belonging to each of the great areas of human experience — the humanities, the social sciences, and the natural sciences. With such undergraduate preparation, students should be able to undertake the vocational phase of their further education, business or professional, not as pre-trained specialists but as capable men and women and as capable, responsible citizens.

PROGRAM OF STUDIES LEADING TO THE BACHELOR OF ARTS DEGREE

Consistent with this statement of objectives, we believe, is the program of studies leading to the Bachelor of Arts degree. It consists of courses totaling 128 semester hours required for graduation. Of these, 66 hours will be required in General Education courses; 36 hours concentrated in one of the three major divisions of the curriculum: Humanities, Natural Sciences, or Social Sciences; and 26 hours provided as free electives by means of which the student may explore the curriculum as a whole, strengthen his command over the body of knowledge which encompasses his chosen area of specialization, or examine other areas of knowledge in order to improve his understanding of the interrelationships of the academic disciplines.

THE GENERAL EDUCATION REQUIREMENTS

Slightly more than half of the entire liberal arts program is dedicated to the achievement of a synoptic view of the vast body of knowledge which is the student's cultural heritage. The courses of study are designed to provide a sufficiently comprehensive appreciation of the learning of the past and of scholarship, research, and artistic creativity

of the present that the student may recognize the significance of each of the major parts of this human achievement to the whole, gain some understanding of the intellectual disciplines peculiar to each, as well as those common to all, and thus prepare himself broadly for whatever specialization his interests and talents may spur him to pursue.

Although this General Education division of the program is more comprehensive than most, it is not intended to be rigidly restrictive. Flexibility will be achieved in two ways: first students whose backgrounds and pre-college training indicate a higher than usual proficiency in any of the areas of study represented in the program of courses, may, at the discretion of the department concerned, be exempt from required courses in favor of courses more consistent with individual needs; and two, within the divisions of the Humanities and Social Sciences students are encouraged to exercise their own judgment in the selection of one or more parts of their course requirements.

THE CURRICULUM OF STUDIES

GENERAL EDUCATION (66 SEMESTER HOURS)

HUMANITIES	Semester Hours
English I and II (Introduction to Language and Literature)	8
Literature and Philosophy (3 hrs. in each, at least 6 in one)	9
to be selected from the following:	
Introduction to Literature I and/or II	3-6
Survey of English Lit. I and II	6
American Literature	3
Introduction to Philosophy	3
Contemporary Philosophy	3
Ethics	3
Foreign Language III and IV	6
Library Science (Bibliography)	1
Fine Arts	6
To be selected from the following:	
Introduction to Art	3
Introduction to Music	3
Introduction to Drama (Theater Arts)	3
NATURAL SCIENCES AND MATH	
Man and the Biological World	6
Man and the Physical Universe	6
Fundamental Concepts of Math	6
SOCIAL SCIENCES	
World Civilization I and II	6
History of U.S. and Pa.	6
General Psychology	3
Restricted electives (one of the following):	3
Economics	
Sociology	
Physical or Cultural Geography	
Anthropology	
Physical Education I, II, III, IV	0
Health	1

AREAS OF SPECIALIZATION

In order to assure depths as well as breadth in the student's program of studies, the liberal arts curriculum at Mansfield provides for 36 hours of course work concentrated in one of the major divisions: Humanities, Natural Sciences, or Social Sciences. Within each division courses of study, concentrating majors in particular disciplines, are offered. The following programs of study, arranged according to division, comprise schedules of courses currently offered.

HUMANITIES DEPARTMENT

I. ENGLISH MAJOR

In addition to 6 hours of literature selected from the General Education requirements, 36 hours of specialized study must be undertaken, selected from the following courses:

	<i>Semester Hours</i>
Survey of English Literature (if not elected from the General Education requirements)	6
Survey of American Literature (if not elected from the General Education requirements)	3
Literature of the Western World (if not elected from the General Education requirements)	6
English Philology and Grammar	3
Shakespeare	3
Pre-Shakespearean Literature	3
18th Century Literature	3
The Romantic Movement	3
Victorian Poetry and Prose	3
Linguistics	3
Literary Criticism	3
The Novel to 1870	3
The Novel since 1870	3
Modern Drama	3
Contemporary Poetry	3
American Prose	3
American Poetry	3

II. SPEECH AND THEATER MAJOR

	<i>Semester Hours</i>
Fundamentals of Speech	3
Phonetics and Voice	3
Play Production	3
Advanced Public Speaking	3
Discussion, Debate, and Parliamentary Procedure	3
Speech Development and Improvement	3
Acting Fundamentals	3
Stagecraft, Scenic Design, and Lighting	3
Speech Electives	12

III. MODERN LANGUAGE MAJOR

A language major requires 24 semester hours beyond the elementary courses numbered 101 and 102. A linguistics course must be completed in any language studied as a major field (3 semester hours), and 9 hours of electives in foreign and/or English Literature must be undertaken with the guidance of a modern Foreign Language Department advisor.

IV.

It is anticipated that, in addition to the above majors in the Humanities Department, opportunities will be provided for 36 hours of specialization in both Art and Music.

MATHEMATICS DEPARTMENT

In the General Education requirements a Mathematics Major will replace man and the Physical Universe (6 hours) by General Physics I and II. Fundamental Concepts of Math I and II (6 hours) will be replaced by 6 hours of mathematics or science chosen with the consent of the departmental advisor.

MATHEMATICS MAJOR

	Semester Hours
Analytic Geometry and Calculus I	3
Analytic Geometry and Calculus II	3
Analytic Geometry and Calculus III	3
Differential Equations	3
Linear Algebra and Matrix Theory	3
Modern Algebra	3
Modern Geometry	3
Probability and Statistics I	3
Mathematic electives	9
Optional Electives (mathematics or science)	3

SCIENCE DEPARTMENT

To meet the needs of specialization in Biology, Chemistry, or Physics, free electives in Science must be reduced from 26 hours to 18.

1. BIOLOGY MAJOR

Biology majors will replace Bio 101 and 102 with Phy 151 and 152.

	Semester Hours
Zoology I	4
Zoology II	4
Botany I	4
Botany II	4
General Chemistry I	4
Qualitative Analysis	4
Organic Chemistry I	4
Organic Chemistry II	4
Genetics	3
Ecology	3
Biology Electives	12

II. CHEMISTRY MAJOR

Chemistry majors will replace Phy Sci 101 and 102, G-Math 101 and 102 with Science and Math courses approved by advisor.

	Semester Hours
General Chemistry	4
Qualitative Analysis	4
Quantitative Analysis I	3
Quantitative Analysis II	3
Organic Chemistry I	4
Organic Chemistry II	4
Physical Chemistry I	3
Physical Chemistry II	3
Analytic Geometry and Calculus I	3
Analytic Geometry and Calculus II	3
Analytic Geometry and Calculus III	3
Physics I	3
Physics II	3
Chemistry Electives	7

MUSIC DEPARTMENT

The degree of Bachelor of Arts in Humanities with a concentration in Music makes no provision for teaching certification in the state of Pennsylvania. Students desiring such certification are advised that a fifth year of study would be necessary.

Music Major

All students must complete the following courses of study regardless of choice of music areas of concentration from a, b, or c, below.

- | | |
|--|-------|
| 1. Music 212, 213, 214 (Basic Music) | SH 11 |
| (Mus 211 should substitute in Fine Arts Division of General Education section) | |
| 2. Music 241 (Piano Minimum Requirements) | 8 |
| (Note: A student majoring in music theory or music history may be able to pass minimum piano proficiency examinations upon entrance to the college. In this event, the student may elect eight (8) semester hours from Music 240-245). | |
| 3. Music 303, and 304 (Music History) | 6 |
| (Must elect music 301, 302 before fifth semester) | |
| 4. Music Organizations (band, chorus, orchestra) | 0 |
| It is recommended that participation be limited to one organization per year, and that two years complete the requirement. | |
| 5. Music electives chosen from a, b, or c as described below in strength proportionate to the area of concentration | 23 |

SH-Major Area 48

MUSIC ELECTIVES

The following courses are available for additional concentration in the areas of a, b, or c. Students may elect twenty-three (23) SH in strength appropriate to the major area.

A. MUSIC THEORY

A. MUSIC THEORY

1. Mus 311—Counterpoint	3
2. Mus 313—Composition	3
3. Mus 315—Advanced Harmony	3
4. Mus 235—Orchestration	3
5. Mus 390—Directed Study	1-3

B. MUSIC HISTORY (1)

1. Mus 303-3-4—Music History	6
2. Mus 308—Advanced Music Literature	3
3. Mus 305—American Music	3
4. Mus 306—The Symphony(2)	2
5. Mus 307—The Concerto(3)	3
6. Mus 309—Contemporary Music (4)	3
7. Mus 390—Directed Study	1-3

C. APPLIED MUSIC

1. Mus 240-245—Major applied music area	16
2. Mus 240-245—Minor applied music area	8

(NOTE: The requirements for Mus 241 (piano) must be fulfilled before further electives in the minor applied area are undertaken).

III. PHYSICS MAJOR

	Semester Hours
General Physics I	3
General Physics II	3
General Physics III	3
Analytic Geometry and Calculus I	3
Analytic Geometry and Calculus II	3
Analytic Geometry and Calculus III	3
Differential Equations	3
Mechanics	3
Electricity and Magnetism	3
Optics	3
Modern Physics	3
Thermodynamics	3
General Chemistry I	4
Qualitative Analysis	4
Physical Electives	6

SOCIAL SCIENCE DEPARTMENT

III. GEOGRAPHY MAJOR

	Semester Hours
Physical Geography	3
Cultural Geography	3
Economic Geography I	3
Economic Geography II	3
Meteorology	3
Physical Geology	3
Cartography and Graphics	3
Course in regional geography (330 series)	3
Geo. Free elective	3
American Government	3
Principles of Economics	3
Introduction to Anthropology	3

III. HISTORY MAJOR

	<i>Semester Hours</i>
Courses in History. Must include a minimum of 6 semester hours in each of the following fields: American, European, and non-Western	24
Free History elective	3
Principles of Economics	3
American Government	3
Introduction to Anthropology	3

III. SOCIAL STUDIES MAJOR

	<i>Semester Hours</i>
Twentieth-Century American History	3
Europe in the Twentieth Century	3
American Government	3
State and Local Government in the U. S.	3
Comparative Government or International Relations	3
Principles of Economics	3
Principles of Sociology	3
Physical Geography	3
Cultural Geography	3
Contemporary Economic Problems or Contemporary Social Problems	3
Introduction to Anthropology	3
Electives in Social Science	6

FEES FOR THE LIBERAL ARTS AND SCIENCES PROGRAM

Basic fee for the Liberal Arts and Sciences Program, for Pennsylvania residents is \$150.00 per semester or \$300.00 for the academic year. Other costs are the same as those cited in the Mansfield State College Catalog.

DEGREE CURRICULUM FOR PUBLIC SCHOOL NURSES

The degree of Bachelor of Science in Education will be conferred upon registered nurses who meet the following requirements:

1. The satisfactory completion of a three-year curriculum in an approved school of nursing and registration by the State Board of Examiners for the registration of nurses of Pennsylvania.
2. The satisfactory completion of 60 semester hours of additional preparation as detailed below.*

GENERAL EDUCATION

	<i>S.H.</i>
ENGLISH AND LITERATURE	
G-Eng 101 English I	3
G-Eng 110 and 111 General Literature I and II	4
	7

*Nurses with less than three years of preparation for registration will be required to complete additional courses, as approved by the Dean of Instruction, in order to meet the requirements for the degree. Note section on maintenance of matriculation.

SOCIAL SCIENCES

G-SS	101 or 102	World Civilization I or II	3
G-SS	103 or 104	History of U.S. and Pa. I or II	3
SS	270	Principles of Sociology	3
			9

ADDITIONAL COURSES IN GENERAL EDUCATION

G-Ed	101	General Psychology	3
Phil	201	Introduction to Philosophy	3
G-Ma	101	Fundamental Concepts in Mathematics	3
General	Education electives		8
			17

PROFESSIONAL EDUCATION

Ed	201	Educational Psychology	3
Ed	(EI)	250 Child Development	3
		or	
Ed	303	Adolescent Psychology	3
Ed	230	History and Philosophy of Education	3
Ed	311	Mental Health	3
			12

COURSES RELATED TO PUBLIC SCHOOL NURSING

Public School Nursing	2
Public School Organization	2
Public Health Nursing I and II	6
Course in nutrition	2
Family Case Work	
or	
Prevention and Control of Communicable Disease	3
	15

DEGREE CURRICULUM FOR DENTAL HYGIENISTS

The degree of Bachelor of Science in Education for Dental Hygienists will be conferred upon Dental Hygienists meeting the following requirements:

1. The possession of a valid license to practice dental hygiene in the Commonwealth of Pennsylvania issued by the State Dental Council and Examining Board and the Department of Public Instruction. "The professional education requirement for dental hygiene is the satisfactory completion of an approved dental hygienist course of instruction of two years of not less than 32 weeks of not less than 30 hours each week or its equivalent in and graduation from a dental hygiene school approved by the State Council and Examining Board."*

*Bulletin 644, 1950. Rules and regulations for Applicants for admission to Examination for Licensure to Practice Dentistry and Dental Hygiene and Examination Procedures.

2. The satisfactory completion in addition thereto of 64 semester hours of professional and general education courses distributed as follows:**

GENERAL EDUCATION			S.H.
G-Eng	101	and 102 English I and II	6
G-Spc	101	Fundamentals of Speech	3
G-Eng	110	and 111 General Literature I and II	8
G-Ma	101	Fundamental Concepts in Mathematics	3
G-SS	101	World Civilization I	3
G-SS	102	World Civilization II	3
G-SS	103	History of U.S. and Pa. I	3
G-SS	104	History of U.S. and Pa. II	3
G-Ed	101	General Psychology	3
Geog	202	Cultural Geography	3
Phil	201	Introduction to Philosophy	3
SS	270	Principles of Sociology	3
General Education electives			9
PROFESSIONAL EDUCATION			53
Ed	201	Educational Psychology	3
Ed	215	Audio-Visual Education	2
Ed	230	History and Philosophy of Education	3
Ed (EI)	250	Child Development	
or			
Ed	303	Adolescent Psychology	3
			11

In each category above, credit will be given for equivalent courses pursued in the two-year Dental Hygiene curriculum. In such cases students must increase their electives by the number of semester hours so credited.

In the case of dental hygienists who have less than two years of specialized training on the basis of which they were licensed to practice dental hygiene, proportional credit will be given. Such persons must pursue additional general education courses in college to make up the deficiency.

Electives may be chosen with the approval of the Dean of Instruction from any field or curriculum offered at the college in which the student is enrolled.

Safety Education (Certification only)

For extension of certification to include the teaching of general safety and highway safety in the secondary schools of Pennsylvania the following requirements must be satisfied:

1. Bachelor of Science Degree in Education
2. Twelve semester hours in safety education, to be fulfilled as follows:

follows:			S.H.
HPE	301	General Safety Education	3
HPE	302	Highway Safety Education	3
HPE	305	Methods and Materials in Safety Education	3
HPE	306	Organization and Supervision in Safety Education	3

**Note section on maintenance of matriculation.

COURSE DESCRIPTIONS

ART

G-ART 101 INTRODUCTION TO ART

A study of representative works of art through the ages for both increased aesthetic perception and deepened awareness of universal human experience. *Two semester hours*

ART 240 PRINCIPLES OF DESIGN

Creative experience through a variety of media applying design principles and elements to art products for individual and family needs. Recommended for majors in home economics. *Two semester hours*

ED EL (ART) 282 TEACHING ART IN THE ELEMENTARY GRADES

The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of materials and activities as the basis for understanding and evaluating children's work. Required of all elementary majors. *Three semester hours*

ART 301 ANCIENT AND MEDIEVAL ART

A comprehensive study of architecture, sculpture, painting and minor arts from the paleolithic period to the Renaissance; emphasis on aesthetic values as well as historical currents. Prerequisite: G-Art 101. *Three semester hours*

ART 302 ART OF THE RENAISSANCE

A comprehensive study of architecture, sculpture and painting in Italy, Flanders, Holland, Germany, England, France and Spain, with emphasis on the general characteristics of the Renaissance. Prerequisite: G-Art 101. *Three semester hours*

ART 305 HISTORY OF MODERN ART

A comprehensive study of the development of modern art from nineteenth-century neoclassicism through contemporary abstract-expressionism; examination of significant movements and artists. Prerequisite: G-Art 101. *Three semester hours*

ART 341 ART AND CRAFTS I

Creative work in a variety of activities with materials of arts and crafts; emphasis on the needs of special education classes. Recommended for students in Elementary, Home Economics and Special Education curricula. *Three semester hours*

ART 342 ARTS AND CRAFTS II

Continuation of Art 341.

Three semester hours

ART 345 DESIGN TECHNIQUES

The application of the principles and elements of design to creative craft activities; experimentation with a variety of media and materials. Recommended for majors in home economics. *Three semester hours*

ART 351 DRAWING AND OIL PAINTING I

Figure and still-life drawing in various media; methods and techniques of oil painting. For beginners *Two semester hours*

ART 352 DRAWING AND OIL PAINTING II

Continuation of Art 351. *Two semester hours*

ART 361 DRAWING AND WATER-COLOR PAINTING I

A beginner's course in water color; techniques, materials, problems in drawing. *Two semester hours*

ART 362 DRAWING AND WATER-COLOR PAINTING II

Continuation of Art 361. *Two semester hours*

ART 371 CERAMICS I

Basic comprehensive and practical course in all hand-forming and simple mold-making, clay methods. Potter's wheel practice; experimental, individual assignments; decorating, glazing, stacking, firing. Emphasis upon creative design. Planned and especially useful for elementary and secondary teachers. *Two semester hours*

ART 372 CERAMICS II

Advanced problems in the integration of form and function. Development of wheel-throwing methods; simple techniques of pottery reproduction; individual instruction. Emphasis upon creative design and aesthetic form. Prerequisite: Art 371. *Two semester hours*

ART 381 MODELING

Basic, comprehensive course involving the organization of three-dimensional space and matter; simple methods of casting and sculpture construction; emphasis upon sculptural processes and materials, development of aesthetic form in three dimensions. *Two semester hours*

ART 382 SCULPTURE

Advanced problems in the organization of three-dimensional form and space; work in sculpture construction, casting, modeling, terra-cotta and carving; individual instruction. Emphasis upon development of sculptural sensitivity as manifested in three-dimensional organization of space and matter. Prerequisite: Art 381. *Two semester hours*

EDUCATION

ED 100 PROFESSIONAL ORIENTATION (replaced by Ed 230)

Three semester hours

G-Ed 101 GENERAL PSYCHOLOGY

Basic course in the science of psychology: heredity, environment and the self, maturation, learned and unlearned; motivation, emotion, perception, reasoning and the learning process; individual differences, personality measurement; the normal and abnormal.

Three semester hours

ED 201 EDUCATIONAL PSYCHOLOGY

A study of the basic factors in the learning process, with emphasis on the application of the principles of psychology to the problems of learning and teaching; includes study of actual classroom problems and procedures. Prerequisite: G-Ed 101.

Three semester hours

ED 202 EVALUATIVE TECHNIQUES

Elementary statistics, principles of test construction, selection and administration of standardized tests; emphasis on interpreting and reporting test scores; consideration of means of evaluation other than tests. Prerequisite: G-Ed 101 or Ed 201.

Two semester hours

ED 215 AUDIOVISUAL COMMUNICATION

A study of the field of educational theory and practice concerned with the design and use of messages which control the learning process.

Two semester hours

ED 230 HISTORY AND PHILOSOPHY OF EDUCATION

A study of the development of American public education as an ideal and as an institution with particular emphasis placed upon understanding education as a value-charged activity. Attention is given to current controversy concerning the moral nature of the educational enterprise.

Three semester hours

ED 240 PROBLEMS OF SECONDARY EDUCATION

Practical problems of secondary teaching; school organization and administration; curriculum, co-curricular activities, motivation, techniques and discipline.

Two semester hours

ED EL 250 CHILD DEVELOPMENT

An interpretive description of human growth from conception through infancy, toddlerhood, preschool and school years, adolescence and into maturity.

Three semester hours

ED EL 260 CHILDREN'S LITERATURE

A study of types of literature useful for children in preschool and elementary school; techniques include the art of dramatic reading, story telling and choral speaking. For majors in English as well as students in the Elementary curriculum. *Three semester hours*

ED EL (Mus) 280 MUSIC FOR THE ELEMENTARY GRADES

Music techniques and materials used in the elementary school; meaning and interpretation of musical symbols; development of basic skills in music reading. *One semester hour*

ED EL (Mus) 281 TEACHING MUSIC IN THE ELEMENTARY GRADES

Emphasis on continued growth in musical skills; development of keyboard facility and the ability to create songs and dances; the value of music in society and its place in the Elementary curriculum; problems of the child voice; approaches in teaching musical activities. Prerequisite: Ed El (Mus) 280. *Two semester hours*

ED EL (ART) 282 TEACHING ART IN THE ELEMENTARY GRADES

The philosophy and principles of art education in the Elementary curriculum; experience in the development of self-expression through a variety of materials and activities as the basis for understanding and evaluating children's work. *Three semester hours*

ED EL 283 TEACHING OF READING IN THE ELEMENTARY SCHOOL

The reading process; normal development; characteristics of children learning to read; methods and materials. Observation in the Campus Elementary School. Prerequisite: Ed 201. *Three semester hours*

ED EL 284 TEACHING ARITHMETIC

Methods of teaching arithmetic; examination of research in the field; application of psychology of learning; development of the skills required by the teacher of arithmetic. *Three semester hours*

ED EL 285 METHODS I (TEACHING OF LANGUAGE, HEALTH AND PHYSICAL EDUCATION)

Principles, problems, materials and techniques for the teaching of speaking, listening, writing and reading; conducting the health and physical education program in the elementary school. Includes observation and participation in the Campus Elementary School. Prerequisite: Ed 201. *Five semester hours*

ED EL 286 METHODS II (TEACHING OF SOCIAL STUDIES AND SCIENCE)

Principles, problems, materials and techniques for the teaching of social studies and science in the elementary school. Includes observation and participation in the Campus Elementary School. Prerequisite: Ed 201. *Five semester hours*

ED EL 300 PRESCHOOL EDUCATION

Objectives, equipment and procedures in nursery school and kindergarten; observation in the Campus School kindergarten.

Three semester hours

ED 301 CHILD PSYCHOLOGY

A study of the maturation, motivation, and learning process of children from birth to adolescence; focus on the development of a functional understanding of child psychology.

Three semester hours

ED 303 ADOLESCENT PSYCHOLOGY

A study of physical, intellectual, emotional and moral development through the adolescent years; social adjustment of the young; particular attention to educational implications. Prerequisite: Ed 201.

Three semester hours

ED 311 MENTAL HEALTH

Dynamics of personal and social adjustment and maladjustment; understanding the causes, symptoms and treatment of disturbed personalities, with particular emphasis upon prevention through the maintenance of good mental hygiene. Prerequisite: Ed 201.

Three semester hours

ED 312 ABNORMAL PSYCHOLOGY

The more unusual mental processes, the methods of observing and interpreting them, their bearing on our understanding of the normal mind. Special emphasis upon deviations among children of school age. Prerequisite: Ed 201.

Three semester hours

ED 320 TEACHING THE EXCEPTIONAL CHILD

Nature of the exceptional child, diagnosis and classification; the academically talented, the mentally retarded, and the physically handicapped; emotional problems of each group, differences in learning response. Prerequisite: Ed 201

Three semester hours

ED EL 325 DIAGNOSTIC AND REMEDIAL READING

Tests and techniques to prevent, detect and correct reading difficulties; special methods and materials for problem readers. Prerequisite: Ed El 283.

Three semester hours

ED 330 GUIDANCE AND COUNSELING TECHNIQUES

The responsibility of the teacher in the guidance program of the school; the identification of student problems; significant information and its use; techniques in guidance and counseling. Prerequisite: Ed 201.

Three semester hours

ED 350 SCHOOL AND COMMUNITY

A study of group and intergroup activities of significance to the school; the dynamics of school and community interaction; the relation of teachers and students to community interests, needs, resources and problems.

Three semester hours

ED 400 STUDENT TEACHING

Practice teaching under supervision of master teachers. Required of all students working for a degree. See pages 51-52 for details.

Twelve semester hours

ED 401 PROFESSIONAL SEMINAR

Taken in the senior year; orientation and critiques concerned with classroom problems; examination of school law, school organization and administration.

Two semester hours

ENGLISH LANGUAGE AND LITERATURE

G-ENG 101 ENGLISH I

Study and application of the principles of good writing, reading, and speaking; intensive practice in writing and a functional presentation of English grammar.

Four semester hours

G-ENG 102 ENGLISH II

Continuation of intensive practice in writing and speaking, with more attention to critical reading of various literary forms; study and practice in the preparation of the research paper; introduction to semantics and the principles of sound reasoning in relation to effective writing and intelligent reading

Four semester hours

G-ENG 110 GENERAL LITERATURE I

An introduction to the study of literature, directed toward analysis of idea and form; reading and discussion of dominant works selected from European and American literature; discussion and written assignments designed to promote perceptive reading

Two semester hours

G-ENG 111 GENERAL LITERATURE II

Continuation of Eng 110, but may be taken separately.

Two semester hours

ENG 200 SURVEY OF ENGLISH LITERATURE

Recognized masterpieces of English Literature from the Anglo-Saxon period to the middle of the 18th century; a study of selected works in their historical context with emphasis on interpretation and critical evaluation. Required of English majors.

Three semester hours

ENG 201 SURVEY OF ENGLISH LITERATURE

A continuation of Eng 200, focusing upon significant works in English literature from the 18th century to the present.

Three semester hours

ENG 202 SURVEY OF AMERICAN LITERATURE

A study of major American writers from the colonial period to the present; selected works viewed in their historical context, but with close attention to intrinsic idea, value and form. Required of English majors.

Three semester hours

ENG 210 THE WESTERN WORLD IN LITERATURE I

A survey of recognized literary classics from ancient times to the close of the Renaissance. Emphasis upon leading themes, philosophical implications, values and the continuity of Western culture.

Three semester hours

ENG 211 THE WESTERN WORLD IN LITERATURE II

A continuation of Eng 325 from the Age of Reason to our era.

Three semester hours

ENG 225 ENGLISH PHILOLOGY AND GRAMMAR

Introduction to linguistic science and the major factors in the historical development of the English language; descriptive analysis of current English pronunciation, grammar, and writing system. Required of English majors and of students in other departments adding English as a second area of concentration.

Three semester hours

ENG 235 ADVANCED COMPOSITION

Intensive writing in areas representing each student's principal interest. Students not majoring in English admitted only by consent of instructor. Prerequisites: G-Eng 101 and 102, or equivalent. Required of English majors.

Three semester hours

ENG 250 SHAKESPEARE

A detailed study of major works of Shakespeare; interpretation and evaluation, with attention to milieu. Required of English majors.

Three semester hours

ENG 251 SHAKESPEARE

A continuation of Eng 250, offering the student an opportunity for more extensive reading from Shakespeare's major works.

Three semester hours

ED EL 260 CHILDREN'S LITERATURE

A study of types of literature useful for children in preschool and elementary school: techniques including the art of dramatic reading, story telling and choral speaking. Offered by the Education Department.

Three semester hours

ENG 290 TEACHING ENGLISH IN THE SECONDARY SCHOOL

Examination of the objectives, professional requirements and specialized problems of English instruction; survey of materials and aids for the teaching of the language arts in junior and senior high school; analysis of methods and trends, and practice in the development and presentation of programs of study.

Three semester hours

ENG 301 THE ESSAY

A study of the essay from Montaigne to the present; analysis of ideas and style; interpretation of the work of major essayists in the light of social and philosophical backgrounds.

Three semester hours

ENG 302 THE SHORT STORY

Close reading and critical analysis of the short story as a literary form; consideration of aesthetic aspects, philosophical and psychological implications of the work of outstanding writers in this genre.

Three semester hours

ENG 305 LITERARY BIOGRAPHY

Historical and critical study of American and European biographical writing of literary distinction.

Three semester hours

ENG 311 PRE-SHAKESPEAREAN LITERATURE

A study of representative works in English literature from the Anglo-Saxon period to 1590, with particular emphasis on Chaucer and Spenser.

Three semester hours

ENG 313 EIGHTEENTH-CENTURY ENGLISH LITERATURE

A study of major English writers representing the Age of Reason and the pre-Romantic current; an examination of the basic ideas and values of neoclassicism in its historical setting.

Three semester hours

ENG 315 THE ROMANTIC MOVEMENT

Wordsworth, Coleridge, Byron, Shelley, Keats and their contemporaries; reading and discussion, with attention to the social and ideological factors, as well as the poetic theory, shaping their work.

Three semester hours

ENG 317 VICTORIAN POETRY AND PROSE

A study of major British writers from 1830 to 1900, tracing the relation of their work to social and intellectual influences of the period.

Three semester hours

ENG 320 THE NOVEL TO 1870

Principal British and American novelists from the predecessors of Defoe to Hardy and Twain; analysis of form and meaning; examination of their work in relation to main social and intellectual trends.

Three semester hours

ENG 321 THE NOVEL SINCE 1870

Significant British and American novels from 1870 to the present, with particular reference to aesthetic theories of the novel, naturalism, symbolism, and twentieth-century social protest.

Three semester hours

ENG 322 MODERN DRAMA

The work of major dramatists from Ibsen to the present; criticism, interpretation, and analysis of techniques of dramatic composition and production. Credit applicable in the field of speech.

Three semester hours

ENG 323 CONTEMPORARY POETRY

An intensive study of dominant British and American poets from Emily Dickinson, G. M. Hopkins and Thomas Hardy to Eliot, Auden and Dylan Thomas; analysis of poetic method and the integral nature of form and meaning *Three semester hours*

ENG 330 LITERARY CRITICISM

Examination of the major theories of literary criticism from Aristotle to the present, with practical application to literature representing the various genres. Prerequisite: At least six hours of literature beyond G-Eng 110 and 111 or consent of instructor. *Three semester hours*

ENG 335 CREATIVE WRITING

The writing of literary prose or verse under individual guidance and criticism. Admission only by consent of instructor. *Three semester hours*

ENG 351 AMERICAN PROSE

Comprehensive reading in the works of selected American prose writers; examination of related biographical and critical materials. Primarily for juniors and seniors. *Three semester hours*

ENG 352 AMERICAN POETRY

Comprehensive reading of the poetry of major American writers selected by the instructor; examination of biographical and critical literature on the poets studied. Primarily for juniors and seniors. *Three semester hours*

ENG 355 MASTERPIECES OF WORLD LITERATURE

Close reading of recognized masterpiece of literature, such as the *Oedipus Rex* of Sophocles, selections from the Bible, *Don Quixote*, Milton's *Samson Agonistes*, Voltaire's *Candide*, Goethe's *Faust*, Flaubert's *Madam Bovary*, Eliot's *Waste Land* and sections of Joyce's *Ulysses*. Direction of study to analysis of form, moral and philosophical implications, aesthetic evaluation, and reflections of *Zeitgeist*. *Three semester hours*

ENG 390 TEACHING DEVELOPMENTAL READING IN THE SECONDARY SCHOOL

The need and objectives of developmental reading programs in secondary schools; examination of the problems involved in identifying and aiding the handicapped reader; principles, techniques and materials for the development of reading efficiency; diagnosis of reading performance and identification of the cause of reading difficulties; types of reading tests, their evaluation and use; determination of levels of readability; evaluation and use of mechanical devices for improving reading skills; conditions and procedures for

the promotion of critical reading, the desire to read, and discrimination in the selection of periodicals and books; teaching sound study habits; organizing and conducting a developmental reading program in junior and senior high school; review of professional literature on remedial and developmental reading. Practical application of principles and techniques throughout the course. *Three semester hours*

ENG 400 DIRECTED STUDY

FOREIGN LANGUAGES

French

FR 101 INTRODUCTORY FRENCH

For students who have not previously studied French. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Three semester hours*

FR 102 INTRODUCTORY FRENCH

Continuation of Fr 101. Prerequisite: One year of secondary school French, or Fr 101 or its equivalent. *Three semester hours*

FR 201 INTERMEDIATE FRENCH

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school French or one year of college French. *Three semester hours*

FR 202 INTERMEDIATE FRENCH

Continuation of Fr 201. Prerequisite: Two years of secondary school French or Fr 201. *Three semester hours*

FR 225 FRENCH LINGUISTICS

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in French. Required of all French majors. Prerequisite: Fr 202 or three years of secondary school French. *Three semester hours*

FR 290 THE TEACHING OF FOREIGN LANGUAGES (FRENCH)

Methodology and techniques for both elementary and secondary schools; observation of foreign language classes in campus elementary school, with opportunity for selected students to acquire teaching experience. Required of all French majors. *Three semester hours*

FR 301 SURVEY OF FRENCH LITERATURE

Selected readings in the works of major French writers through the eighteenth century; outside reading and reports in French; consideration of literary movements, style and form. Prerequisite: Fr 202 or three years of secondary school French. *Three semester hours*

FR 302 SURVEY OF FRENCH LITERATURE

Selected readings in the works of major French writers since 1800; outside reading and reports in French; consideration of literary movements, style and form. Prerequisites: Fr 202 or three years of secondary school French. *Three semester hours*

FR 305 CONVERSATIONAL FRENCH

Intensive practice in speaking French for students interested particularly in developing fluency in the language. Prerequisites: Fr 202 or equivalent. *Three semester hours*

FR 331 FRENCH CLASSICAL DRAMA

A study of selected plays of Corneille, Racine and Moliere, with attention to the early history of French drama; outside reading and reports. Prerequisites: Fr 301 and 302 or equivalent. *Three semester hours*

FR 332 FRENCH DRAMA SINCE THE SEVENTEENTH CENTURY

A study of representative dramatists from Marivaux and Voltaire to Giradoux, Sartre and Anouilh; outside reading and reports. Prerequisites: Fr. 301 and 302, or equivalent. *Three semester hours*

FR 341 THE NOVEL IN FRANCE

Extensive reading in major works of French novelists since the seventeenth century; consideration of literary movements, background influences, form and style; outside reading and reports. Prerequisites: Fr. 301 and 302, or equivalent. *Three semester hours*

FR 342 THE NOVEL IN FRANCE

Continuation of Fr 341, but may be taken separately. *Three semester hours*

FR 350 SENIOR SEMINAR

Special study projects in French language and literature; independent reading in defined areas, followed by written analytical reports in French. For advanced French majors with senior standing. *Credit arranged*

German

GER 101 INTRODUCTORY GERMAN

For students who have not previously studied German. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Three semester hours*

GER 102 INTRODUCTORY GERMAN

Continuation of Ger 101. Prerequisite: One year of secondary school German, or Ger 101 or its equivalent. *Three semester hours*

GER 201 INTERMEDIATE GERMAN

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school German or one year of college German.

Three semester hours

GER 202 INTERMEDIATE GERMAN

Continuation of Ger 201. Prerequisite: Two years of secondary school German or Ger 201. Students interested in scientific and technical German may elect Ger 310 as an alternative to this course.

Three semester hours

GER 225 GERMAN LINGUISTICS

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in German. Required of all German majors. Prerequisite: Ger 202 or three years of secondary school German.

Three semester hours

GER 290 THE TEACHING OF FOREIGN LANGUAGES (GERMAN)

Methodology and techniques of teaching foreign languages in both elementary and secondary schools; investigation of materials and aids for the language teacher; observation of foreign language classes with opportunity for participation by selected students. Required of all German majors.

Three semester hours

GER 301 SURVEY OF GERMAN LITERATURE

Selected readings in the chief works of German literature to 1800; outside reading and reports in German; attention to literary movements, influences, style and form. Prerequisite: Ger 202 or three years of secondary school German.

Three semester hours

GER 302 SURVEY OF GERMAN LITERATURE

Continuation of Ger 301. Readings in German literature since 1800.

Three semester hours

GER 305 CONVERSATIONAL GERMAN

Intensive practice in speaking German for students interested particularly in developing fluency in the language. Prerequisite: Ger 202 or equivalent.

Three semester hours

GER 310 INTRODUCTION TO SCIENTIFIC AND TECHNICAL GERMAN

An alternative to Ger 202 for science majors, or may be taken in addition to Ger 202. Review of syntax; varied reading in general science and basic technical fields; emphasis on the development of a reading knowledge. Prerequisite: Ger 201.

Three semester hours

GER 331 GERMAN CLASSICAL DRAMA

A survey of German classical drama, with reading, analysis and discussion of the principal dramatic works of Lessing, Schiller and Goethe. Prerequisite: Ger 301 and 302 or equivalent.

Three semester hours

GER 332 MODERN GERMAN DRAMA

A study of major German dramatists from Tieck and Hebbel to Hauptmann and other moderns; consideration of literary movements and background influences. Prerequisites: Ger 301 and 302, or equivalent.

Three semester hours

GER 341 THE NOVEL AND SHORT STORY IN GERMAN LITERATURE

A study of major works of German fiction; outside reading, class discussion and reports emphasizing literary movements, ideas, form and style. Prerequisites: Ger 301 and 302, or equivalent.

Three semester hours

GER 342 THE NOVEL AND SHORT STORY IN GERMAN LITERATURE

Continuation of Ger 341, but may be taken separately.

Three semester hours

GER 350 SENIOR SEMINAR

Special study projects in German language and literature; independent reading in defined areas, followed by written analytical reports in German. For advanced German majors with senior standing.

Credit arranged

Russian

RUS 101 INTRODUCTORY RUSSIAN

For students who have not previously studied Russian. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking.

Three semester hours

RUS 102 INTRODUCTORY RUSSIAN

Continuation of Rus 101. Prerequisite: Rus 101 or equivalent.

Three semester hours

RUS 201 INTERMEDIATE RUSSIAN

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: One year of college Russian or equivalent.

Three semester hours

RUS 202 INTERMEDIATE RUSSIAN

Continuation of Rus 201. Prerequisite: Rus 201 or equivalent. Students interested in scientific and technical Russian may elect Rus 310 as an alternative to this course.

Three semester hours

Rus 225 RUSSIAN LINGUISTICS

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in Russian. Required of all Russian majors. Prerequisite: Rus 202 or equivalent. *Three semester hours*

Rus 290 THE TEACHING OF FOREIGN LANGUAGES (RUSSIAN)

Methodology and techniques of teaching foreign languages in both elementary and secondary schools; investigation of materials and aids for the language teacher; observation of foreign language classes with opportunity for participation by selected students. Required of all Russian majors. *Three semester hours*

Rus 301 SURVEY OF RUSSIAN LITERATURE

Selected readings in the works of dominant Russian writers; outside reading and reports in Russian; consideration given to literary movements, historical backgrounds, form and style. Prerequisite: Rus 202 or equivalent. *Three semester hours*

Rus 302 SURVEY OF RUSSIAN LITERATURE

Continuation of Rus 301. *Three semester hours*

Rus 305 CONVERSATIONAL RUSSIAN

Intensive practice in speaking Russian for students interested particularly in developing fluency in the language. Prerequisites: Rus 202 or equivalent. *Three semester hours*

Rus 310 INTRODUCTION TO SCIENTIFIC AND TECHNICAL RUSSIAN

An alternative to Rus 202 for science majors, or may be taken in addition to Rus 202. Review of syntax; varied reading in general science and basic technical fields; emphasis on the development of a reading knowledge. Prerequisite: Rus 201. *Three semester hours*

Rus 331 RUSSIAN CLASSICS

Reading and analysis of representative works by principal Russian writers; outside reading and reports in Russian. Prerequisites: Rus 301 and 302. *Three semester hours*

Rus 332 RUSSIAN CLASSICS

Continuation of Rus 331, but may be taken separately. *Three semester hours*

Rus 340 SOVIET LITERATURE

Reading and analysis of representative works by principal Soviet writers; outside reading and reports in Russian. Prerequisites: Rus 301 and 302. *Three semester hours*

Rus 350 SENIOR SEMINAR

Special study projects in Russian language and literature; independent reading in defined areas, followed by written analytical reports in Russian. For advanced students in Russian with senior standing. *Credit arranged*

Spanish

SPAN 101 INTRODUCTORY SPANISH

For students who have not previously studied Spanish. Elements of grammar and reading, intensive drill in pronunciation, aural comprehension and speaking. *Three semester hours*

SPAN 102 INTRODUCTORY SPANISH

Continuation of Span 101. Prerequisite: One year of secondary school Spanish, or Span 101 or its equivalent. *Three semester hours*

SPAN 201 INTERMEDIATE SPANISH

Independent reading, grammar review, and further practice in aural comprehension and speaking. Prerequisite: Two years of secondary school Spanish or one year of college Spanish. *Three semester hours*

SPAN 202 INTERMEDIATE SPANISH

Continuation of Span 201. Prerequisite: Two years of secondary school Spanish or Span 201. *Three semester hours*

SPAN 225 SPANISH LINGUISTICS

Intensive study of phonetics and syntax designed to perfect the student's pronunciation and his ability to express himself clearly and correctly in Spanish. Required of all Spanish majors. Prerequisite: Span 202 or three years of secondary school Spanish. *Three semester hours*

SPAN 290 THE TEACHING OF FOREIGN LANGUAGES (SPANISH)

Methodology and techniques for both elementary and secondary schools; observation of foreign language classes in campus elementary school, with opportunity for selected students to acquire teaching experience. Required of all Spanish majors. *Three semester hours*

SPAN 301 SURVEY OF SPANISH LITERATURE

Reading in selected works of principal writers of Spain and Spanish America, with attention to literary movements, historical backgrounds, style and form; outside reading and reports in Spanish. Prerequisite: Span 202 or three years of secondary school Spanish. *Three semester hours*

SPAN 302 SURVEY OF SPANISH LITERATURE

Continuation of Span 301.

Three semester hours

SPAN 305 CONVERSATIONAL SPANISH

Intensive practice in speaking Spanish for students interested particularly in developing fluency in the language. Prerequisite: Span 202 or equivalent. *Three semester hours*

SPAN 320 SPANISH-AMERICAN LITERATURE

A study of major writers and literary movements; supplementary reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalent.

Three semester hours

SPAN 331 THE DRAMA IN SPANISH LITERATURE

Reading of representative plays from Spain's Golden Age to the present; analysis, consideration of literary movements, form and style; outside reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalent.

Three semester hours

SPAN 332 THE DRAMA IN SPANISH LITERATURE

Continuation of Span 331, with the addition of plays by leading writers of Spanish America. May be taken separately.

Three semester hours

SPAN 341 THE NOVEL AND SHORT STORY IN SPANISH LITERATURE

A study of selected novels and short stories by major writers of Spain and Spanish America, including Don Juan Manuel, Cervantes, Alarcón, Galdos, Unamuno, Valdés, Baroja, Gallegos and others. Consideration of literary movements, form and style; outside reading and reports in Spanish. Prerequisites: Span 301 and 302, or equivalent.

Three semester hours

SPAN 342 THE NOVEL AND SHORT STORY IN SPANISH LITERATURE

Continuation of Span 341, but may be taken separately.

Three semester hours

SPAN 345 ADVANCED SPANISH CONVERSATION AND COMPOSITION

For majors, minors and others with adequate preparation; intensive practice in speaking and writing for the development of proficiency and ease in communication with native speakers.

Three semester hours

GEOGRAPHY

GEOG 201 PHYSICAL GEOGRAPHY

Introduction to the nature of geography and the physical aspects of the environment of man: the earth and its planetary relations; selected topics in physical geography, including weather, climate, soils, land-forms, the principles of map projection and interpretation.

Three semester hours

GEOG 202 CULTURAL GEOGRAPHY

Continuation of Geog 201 but may be taken as a separate course. Introduction to the nature of geography and the cultural environment of man; includes study of population geography with such topics in cultural geography as settlements, manufacturing, resource and land use.

Three semester hours

GEOG 205 ECONOMIC GEOGRAPHY I

The scope and philosophy of economic geography; world patterns of primary production and manufacturing; transportation and trade patterns; problems of economic geography. Prerequisite: Geog 201 or 202. *Three semester hours*

GEOG 206 ECONOMIC GEOGRAPHY II

Continuation of Geog 205. Prerequisite: Geog 205.

Three semester hours

GEOG 211 METEOROLOGY

Systematic study of the dynamics of the atmosphere utilizing the synoptic approach; includes the elements of climate and basic aspects of physical and regional climatology. Prerequisite: Geog 201.

Three semester hours

GEOG 212 INTRODUCTION TO CLIMATOLOGY

Systematic and regional study of the elements and controls of climate; application of standard classification systems and climatological data in analysis of climatic stations and regions. Prerequisite: Geog 211.

Three semester hours

GEOG 220 PHYSICAL GEOLOGY

Materials and processes that produce the major land features of the earth's surface; includes study of rocks, minerals, geologic time, running water, seas and shorelines, volcanism, diastrophism.

Three semester hours

GEOG 230 CARTOGRAPHY AND GRAPHICS (5 cl. hrs.)

Study and execution of the principal map projections; employment of various map and graphic techniques and media. Prerequisites: Geog 201 and 202.

Three semester hours

GEOG 290 TEACHING GEOGRAPHY IN THE SECONDARY SCHOOL

Intensive reading in the nature and methodology of the geographic disciplines and their relation to methods of presentation in teaching. For geography majors who have attained at least junior standing.

Three semester hours

GEOG 301 POLITICAL GEOGRAPHY

Regional treatment of geographic factors and their influence on the development of the world's political units; case studies of problem areas in their regional settings. May be taken as a General Education elective by upperclassmen.

Three semester hours

GEOG 302 WORLD PROBLEMS IN GEOGRAPHY

Evaluation of past and present problem areas of the world in relation to geographic factors involved in their development and their solution. Prerequisite: Geog 301.

Three semester hours

GEOG 325 GEOMORPHOLOGY

The evolution and development of landforms and the principal theories of landform development; study of topographic maps, topographic profiles and block diagrams; use of field techniques. Prerequisite: Geog 220. *Three semester hours*

GEOG 330 GEOGRAPHY OF THE UNITED STATES AND CANADA

Analysis of the regional patterns of Anglo-America, geographical problems, and the dynamics of geographic regionalism. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 331 GEOGRAPHY OF PENNSYLVANIA

Topography, climate, resources, historical development, geographic regions of Pennsylvania. Field trips with particular attention to topographic and economic aspects of the Commonwealth. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 332 GEOGRAPHY OF LATIN AMERICA

Study of the linguistically derived regionalism of America south of the Central American states; analysis and synthesis of geographic factors responsible for regional and sectional development. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 335 GEOGRAPHY OF EUROPE

Systematic treatment of topography, climate, biotic resources and mineral resources, communication, population, and industrial areas; geographic regions of Europe. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 336 GEOGRAPHY OF ASIA

Systematic treatment of topography and climate of Asia; major geographic regions of the Soviet Union, Southwestern Asia, India. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 337 GEOGRAPHY OF THE FAR EAST

Study of the region comprising China, Japan and Southeast Asia; geographic conditions and human welfare; major geographic regions; analysis of approaches being made to the fundamental geographic problems of the area. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 338 GEOGRAPHY OF AFRICA

Emerging regional patterns in relation to their historical and contemporary significance. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 339 GEOGRAPHY OF AUSTRALIA AND OCEANIA

Systematic study of the regions of Australia, New Zealand and the island groups of the Southwest Pacific. Prerequisites: Geog 201 and 202, 205 and 206, 211, 220. *Three semester hours*

GEOG 340 LAND USE AND NATURAL RESOURCES

Land use as a response to physical and cultural conditions of the past and present; major divisions of land use and resulting interrelationships of areal patterns; basic concepts of conservation; conservation within the major resource groups; evaluation of achievements and prospects in the conservation of resources. Prerequisites: Geog 201, 205 and 206. *Three semester hours*

GEOG 401 SPECIAL STUDIES IN GEOGRAPHY

Studies and research in philosophy and methodology, seminars in geographic aspects of contemporary problems, field projects involving current regional land use problems, field trips in geomorphology and economic geography. *Semester hours, variable one, two, or three*

HEALTH AND PHYSICAL EDUCATION

G-HPE 100 HEALTH (PERSONAL AND COMMUNITY)

Instruction in principles and practices serving personal and community health; factors promoting physical and mental hygiene, the responsibilities of the citizen for public health, problems in personal and community health. Includes individual counseling and guidance. *One semester hour*

G-HPE 101-104 PHYSICAL EDUCATION

Four semesters of physical education, completed with satisfactory rating, are required for graduation. Emphasis on the development of fundamental skills in seasonal activities for individual, dual and team participation. *No credit hours*

Safety Education

The college is approved to offer the following courses in safety education which are not regularly scheduled:

HPE 301 GENERAL SAFETY EDUCATION

Three semester hours

HPE 302 HIGHWAY SAFETY EDUCATION

Three semester hours

HPE 305 METHODS AND MATERIALS IN SAFETY EDUCATION

Three semester hours

HPE 306 ORGANIZATION AND SUPERVISION IN SAFETY EDUCATION

Three semester hours

HOME ECONOMICS

H Ec 150 ELEMENTS OF CLOTHING SELECTION AND CONSTRUCTION

Fabrics and the selection, construction and fitting of garments. Course for students not majoring in Home Economics.

Three semester hours

H Ec 200 HOME ECONOMICS ORIENTATION

Survey of the philosophy and basic tenets of home economics and of current achievements in the profession; consideration of educational, scientific and technological changes which have affected family life and the relation of the field of home economics to such changes.

One semester hour

H Ec 201 CLOTHING CONSTRUCTION, SELECTION AND PURCHASING I

Color, line and design for the individual; study of wardrobe planning. Construction and fitting of clothing using a variety of techniques and scientific processes. Clothing decisions are made in relation to the individual, family needs and income.

Four semester hours

H Ec 202 CLOTHING II

H Ec 202a ELEMENTARY TEXTILES

A study of fibers — their chemical and physical properties; yarns-construction, and use, care; fabric finishes applied to clothing and household textiles. Textile laboratory experiences Prerequisite H Ec 102.

Two semester hours

H Ec 202b TAILORING

Construction of a tailored garment with emphasis on tailoring construction techniques, selection of pattern, fabric design and texture, fitting problems related to the individual. Prerequisite H Ec 102-202a.

Two semester hours

H Ec 215 FOODS AND NUTRITION I

Nutrition needs of the body, food nutrients that meet these needs, nutritive values of foods and their role in the family food plan; food preparation and meal management.

Four semester hours

H Ec 216 FOODS AND NUTRITION II

Quantitative study of individual and family nutritional needs and dietary values of food; food preparation, meal management and marketing problems. Prerequisite: H Ec 215.

Four semester hours

H Ec 221 CONSUMER ECONOMICS AND FAMILY FINANCE

Principles of economics affecting consumer choice; status symbols, custom, advertising. Stresses family decisions: budgeting, "best buys," banking, insurance, investments, credit, taxes and estate planning.

Three semester hours

H Ec 223 HOUSING AND HOME FURNISHINGS

Artistic and economic problems in planning and furnishing a home: architecture, floor plans, building and decorating materials; includes laboratory experience. *Three semester hours*

H Ec 224 HOUSEHOLD CARE AND EQUIPMENT

Efficient choice, use and care of home appliances; the principles upon which they operate; wise use of time, energy, aptitudes and skills. *Two semester hours*

H Ec 225 HOME MANAGEMENT (RESIDENCE)

Students experience decision-making in group living. Managerial ability, values, goals and satisfying human relations are developed through practical experience in shopping, planning, preparing and serving attractive nutritious meals; use and care of equipment and furnishings; and provision for entertaining and family well-being. *Three semester hours*

H Ec 231 CHILD DEVELOPMENT AND NURSERY SCHOOL

The child as a family member; his physical, mental, emotional and social development; techniques of organizing a nursery school: observation and participation. *Four semester hours*

H Ec 235 FAMILY RELATIONS

Brief historical background of the family; present-day family mores; dating, engagement and marriage; emphasis on attaining satisfying intrafamily relationships. *Three semester hours*

G-H Ec 240 THE ADOLESCENT

Relation of family and education to the social order, with emphasis on the characteristics and needs of adolescents; factors of competency which contribute to effective teaching; philosophy underlying the program at the secondary level. *Three semester hours*

H Ec 250 HOME ECONOMICS EDUCATION IN SECONDARY SCHOOL

Home Economics in the secondary schools; organization and administration, methods of teaching, evaluation and curriculum. *Four semester hours*

H Ec 290 ADULT HOMEMAKING EDUCATION

Examination of the scope and emphasis needed in homemaking education for out-of-school youth and for adults; organization, administration and planning of program; method of teaching; cooperation among educational and other community agencies in the program for teaching home and family living to youths and adults. Prerequisite: H Ec 250. *One semester hour*

H Ec 301 ADVANCED TEXTILES

Identification, purchase, use and care of textiles; fibers, fabrics and finishes; recent market developments and labelling legislation and consumer practices.

H Ec 302 COSTUME DESIGN AND HISTORY

A study of clothing in various historical periods; their effect on contemporary costume design. *Two semester hours*

H Ec 303 ADVANCED CLOTHING

Draping and flat pattern methods in the creation of designs for construction. Prerequisites: H Ec 201 and 202. *Three semester hours*

H Ec 304 PROBLEMS IN HOME FURNISHINGS

The current trends and the aesthetic concepts in the selection and arrangement of home furnishings. Consideration will be given to the application of the art principles, economic factors, personal values and needs of the family. *Two semester hours*

H Ec 305 SPECIAL PROBLEMS IN CLOTHING

Hand detailing, decorative techniques, designers, the fashion market, children's clothing, and particular attention to individual problems. Prerequisite: H Ec 201 and 202. *Three semester hours*

H Ec 317 NUTRITION

Metabolism and energy studies; diet management in pregnancy and lactation, and for infants, toddlers and teenagers; weight control; includes study of diet for certain pathological conditions. Examination of recent literature and various aspects of nutrition, resource materials and teaching aids. Prerequisites: Eight semester hours in Foods and Nutrition. *Three semester hours*

H Ec 318 ADVANCED FOODS

Recent developments and their application to food purchasing, preparation and service; special emphasis on advanced techniques and demonstration procedures. Prerequisites: H Ec 215 and 216. *Three semester hours*

H Ec 319 THE PRE-SCHOOL CHILD

Advanced study in child development with emphasis placed upon the techniques of child guidance and adult-child interaction. A survey of research and current readings in the field of child guidance and supervision of young children. The course is also designed to assist students in the selection and use of equipment and creative play materials as related to the development of the child from infancy through childhood. *Three semester hours*

H Ec 320 MANAGEMENT PRINCIPLES OF HOME OPERATION

Principles of time and motion study, work simplification, storage work area arrangement and safety as applied to the home. Relation of these factors to human and material resources of the home which are important in solving problems of family living in contemporary society. Concurrent with H Ec 225 Home Management *Two semester hours*

H Ec 322 SPECIAL PROBLEMS IN HOME ECONOMICS

Individual investigation of problems related to teaching of home economics in the secondary school or in any of the areas studied in home economics such as child development, family finance, foods and nutrition, clothing and textiles, etc. *One to Four Semester hours*

H Ec 355 CURRENT TRENDS AND RECENT DEVELOPMENTS IN HOME ECONOMICS

Analysis and interpretation of the sociological and economical changes that have occurred in our society and how these have affected the home economics curriculum; with special emphasis on the integration of these into the curriculum. *Three semester hours*

ED (HEC) 400 STUDENT TEACHING AND RELATED ACTIVITIES

Student teachers live in typical communities and teach in superior departments which include all areas of home economics instruction under the supervision of a local supervising teacher and the college Vocational Education teacher educator. A two week seminar at the end of the semester provides, for study and help with professional problems and an exchange of ideas and experiences. *Twelve semester hours*

LIBRARY SCIENCE

LIB 211 INTRODUCTION TO LIBRARIANSHIP

A survey of the library profession, its philosophy, history, objectives and professional requirements; role of the school librarian in the modern school. *Three semester hours*

LIB 212 LIBRARY ORGANIZATION AND ADMINISTRATION

Detailed study of school library planning and organization; emphasis upon practical methods of keeping library records, purchasing books, training student assistants, teaching use of the library, making displays and managing publicity. Focus upon the responsibility of the library in helping to carry out the educational objectives of the school program. Prerequisite: Lib 211. *Three semester hours*

LIB 221 REFERENCE SERVICES AND MATERIALS

An intensive study of basic reference tools: the effective use and evaluation of dictionaries, encyclopedias, indexes, almanacs, directories, atlases, etc.; study and evaluation of special subject reference materials in the pure sciences, social sciences, humanities; major emphasis on finding techniques, interpreting and utilizing informational material; attention to bibliographic form and the building of a reference collection. Prerequisite: Lib 212. *Three semester hours*

LIB 242 CATALOGING AND CLASSIFICATION

Classification, assigning subject headings and cataloging printed materials for the school library. Includes the preparation of unit cards, analytics, and added entries; purchase and adapting of printed cards; use of a printed list in assigning subject headings, and the arrangement of the dictionary catalog and use of the shelf list. Prerequisite: Lib 212.
Three semester hours

LIB 260 BOOK SELECTION FOR CHILDREN

A study of the various types of children's literature and their evaluation by standard criteria; media for book reviews of children's literature and the library tools essential for selection.
Three semester hours

LIB 261 YOUNG PEOPLE'S LITERATURE

A study of book materials which helps meet the needs and interests of youth of secondary school age; representative experience in reading and evaluating books, and the acquisition of familiarity with book selection aids.
Three semester hours

LIB 262 ADULT LITERATURE

A study of the book market, publishing field, book reviewing media, and current principles and practices in relation to the adult reader; includes consideration of current fiction and non-fiction as well as the standard adult works of literature.
Three semester hours

LIB 263 STORY TELLING AND READING GUIDANCE

A study of the art of story telling, including techniques of adaptation and presentation for children of various ages; planning the story hour; practice in story telling. Analysis of problems involved in the reading patterns of children and methods used to overcome reading difficulties.
Three semester hours

LIB 280 NON-BOOK MATERIALS

Techniques of selection, acquisition, cataloging and classification of non-book materials; the organization and operation of the library as an instructional materials center. Prerequisite: Lib 242.
Three semester hours

LIB 285 CURRICULUM MATERIALS

Analysis and utilization of school library resources for the development of enriched, integrated units of study in elementary and secondary curricula. Prerequisite: Lib 280.
Three semester hours

LIB 330 HISTORY OF BOOKS AND LIBRARIES

A study of the evolution of the alphabet, paper making, printing and bookbinding through the ages; particular attention to libraries and their developments; concepts of modern library service as a reflection of this evolutionary development.
Three semester hours

LIB 390 DOCUMENTATION AND THE ELEMENTS OF RESEARCH

An advanced course for non-library science students. Research techniques, citations, bibliography and other technical aspects of the preparation of scholarly papers. *One semester hour*

LIB (ED) 400 LIBRARY PRACTICE

Supervised library practice on three levels: elementary, junior high school, and senior high school. Teacher-librarians who have had twelve semester hours of student teaching, eighteen to a total of twenty-four semester hours of course work in Library Science, and at least one year's experience as a school librarian may petition to have six semester hours of library practice completed on the job. Taken only as individual cases make it necessary, this library practice will involve specified library projects assigned by the Library Science Department supervisor and completed in absentia for no more than six semester hours credit. Students will register and pay the usual fees for on-the-job library practice. *Twelve semester hours*

MATHEMATICS

MA 100 ALGEBRA AND TRIGONOMETRY

Set notation, coordinate systems, functions, circular functions, trigonometric formulas, linear and quadratic functions, irrational equations, variations, polynomial functions, theory of equations, inverse functions, graphing of circular functions, mathematical induction, binomial expansion, complex numbers, permutations, combinations, and probability. *Three semester hours*

G-Ma 101 FUNDAMENTAL CONCEPTS IN MATHEMATICS I

Set notation, numbers and numerals, change of base, operational postulates, modulo systems, abstract mathematical systems, groups, fields, integers, rationals, reals, complex numbers, (1-1) correspondence, functions, and symbolic logic. *Three semester hours*

G-Ma 101 and 102 form a terminal sequence for general cultural purposes. Except when a student's department stipulates that the course sequence must be completed, G-Ma 101 may be taken for credit independently of G-Ma 102.

G-Ma 102 FUNDAMENTAL CONCEPTS IN MATHEMATICS II

Treats coordinate systems, analytic geometry, inequalities, linear programming, analytic trigonometry, algebra concepts, elementary statistics and an introduction to calculus. Prerequisite: G-Ma 101. *Three semester hours*

Sections of above sequence designated G-Ma 101e and 102e are designed for elementary teachers. The "e" sections cover the same topics as above except that the structure of the number system is emphasized along with operational postulates and concepts.

MA 210 ANALYTIC GEOMETRY AND CALCULUS I

Topics from algebra, introduction to analytic geometry, functions, limits and derivatives, differentiation of algebraic functions, applications, conics, translation and rotation of axes, and the definite integral. Prerequisite: Ma 100 or equivalent. *Three semester hours*

MA 211 ANALYTIC GEOMETRY AND CALCULUS II

Applications of the definite integral, differentiation of transcendental functions, applications, techniques of integration, approximation methods, Mean Value theorem, improper integrals, indeterminate forms, parametric equations, and polar coordinates. Prerequisite: Ma 210. *Three semester hours*

MA 212 ANALYTIC GEOMETRY AND CALCULUS III

Sequences, series, convergence tests, power series, solid analytic geometry, partial differentiation and multiple integration. Prerequisite: Ma 211. *Three semester hours*

MA 213 DIFFERENTIAL EQUATIONS

Exact equations, integrating factors, linear differential equations, simultaneous equations, first order equations, homogeneous linear equations with constant coefficients, operators, variation of parameters, applications, linear differential equations with non-constant coefficients, solution by series, the Bessel equation, numerical analysis methods, transform methods and existence theorems. Prerequisite: Ma 212 or concurrent enrollment in Ma 212. *Three semester hours*

MA 220 LINEAR ALGEBRA AND MATRIX THEORY

Matrices, matrix operations, solution of linear systems, transposes, adjoints, inverses, mappings, one-to one mappings, linear transformations, vectors, vector spaces, subspaces, bases, linear dependence, change of basis and applications (linear programming, etc.). Prerequisite: Ma 212. *Three semester hours*

MA 221 MODERN ALGEBRA

Congruences, groups, fields, integral domains, rings, algebra of classes, Boolean algebra, transfinite arithmetic and polynomial forms. Prerequisite: Ma 220. *Three semester hours*

MA 230 MODERN GEOMETRY

Emphasis on the axiomatic approach. Advanced Euclidean geometry and non-Euclidean geometry. Introduction to projective geometry. Prerequisite: Ma 212. *Three semester hours*

MA 250 PROBABILITY AND STATISTICS I

Set theory and logic. Probability: sample spaces and distributions. Typical methods of sampling and hypothesis testing. Restricted to a study of discrete sample spaces, hence calculus is not a prerequisite. Prerequisite: Ma 100 or equivalent. *Three semester hours*

MA 270 HISTORY AND PHILOSOPHY OF MATHEMATICS

A study of the chronological development of mathematics from prehistoric times to the present, emphasizing the great contributors to mathematics and tracing the development of the content of each area of elementary mathematics. *Three semester hours*

MA 290 TEACHING MATHEMATICS IN THE SECONDARY SCHOOL

Consideration of the place and purpose of mathematics in secondary education; examination of curriculum problems; study of methods, techniques and psychology in the teaching of algebra and geometry; study and interpretation of the recommendations of the Commission on Mathematics, School Mathematics Study Group and similar committees. Prerequisites: Ma 220 and Ma 230. *Two semester hours*

MA 310 NUMERICAL ANALYSIS AND PROGRAMMING

Introduction to digital and analog computer programming. Finite differences; approximation methods; applications. Prerequisite: Ma 213. *Three semester hours*

MA 315 ADVANCED CALCULUS I

The real number system. Emphasis on the concepts and theory of calculus: functions, limits, continuity, mean value theorem for functions of one variable and of several variables; integration; partial derivatives; implicit functions; improper integrals. *Three semester hours*

MA 316 ADVANCED CALCULUS II

An introduction to complex variables and Fourier series. Functions of a complex variable, conformal mapping, Cauchy's Integral Theorem, Taylor series, Cauchy's inequalities, Laurent series, Residue Theorem, integration, orthogonal sets of functions, orthonormal sets and Fourier series. Prerequisite: Ma 315. *Three semester hours*

MA 320 BOOLEAN ALGEBRA AND SYMBOLIC LOGIC

Set theory, propositional calculus, Boolean algebra, applications, symbolic logic and applications via probability theory. Prerequisite: Ma 220. *Three semester hours*

MA 321 LINEAR PROGRAMMING AND THEORY OF GAMES

Review of basic concepts in linear algebra, convex sets, development of the simplex method, applications, and theory of games. Prerequisite: Ma 220. *Three semester hours*

MA 350 PROBABILITY AND STATISTICS II

Continuous sample spaces, limit theorems, stochastic processes, Markov chains, nature of statistical inference, and applications. Prerequisites: Ma 250 and Ma 212. *Three semester hours*

MA 401 SELECTED TOPICS IN MATHEMATICS

Selections from Topology, Group Theory, Game Theory, Matrix Theory, Real Analysis, etc. Prerequisite: Senior or advanced junior standing and consent of instructor. *Credit arranged*

MUSIC

G-Mus 101 INTRODUCTION TO MUSIC

A study of the various types of musical expression through representative composers; consideration of social and political as well as artistic factors influencing the historical development of music.

Two semester hours

*Mus 200 SURVEY OF MUSIC LITERATURE

Designed to acquaint music students with the various forms and media of musical composition and to familiarize them with examples in standard music literature; emphasis upon both the objective elements of music style and subjective factors of musical expression.

Two semester hours

*Mus 205 EURHYTHMICS I

Designed to develop, through body movement, greater sensitivity to, and awareness of, the nuances of dynamics and rhythm.

One semester hour

Mus 206 EURHYTHMICS II

Continuation of Eurhythmics I, involving more difficult problems in rhythm and coordination; includes a unit of percussion.

One semester hour

*Mus 211 BASIC MUSIC I

Simple tonal, rhythmic and harmonic vocabulary; singing dictation, keyboard, analysis, writing, creative work.

Three semester hours

Mus 212 BASIC MUSIC II

Continuation of techniques of Basic Music I; tonicization, harmonic function, modulation; small musical forms. Prerequisite: Mus 211.

Three semester hours

Mus 213 BASIC MUSIC III

Further development of tonal, rhythmic and harmonic vocabulary; contrapuntal elaboration; variation and rondo forms. Prerequisite: Mus 212

Four semester hours

Mus 214 BASIC MUSIC IV

Sonata-allegro form; introductory survey of some contemporary compositional techniques. Prerequisite: Mus 213.

Four semester hours

*Courses available as General Education electives to all students.

Mus 221 METHODS I

Examination of current available materials intended for use from kindergarten through sixth grade; includes care and use of the child voice, attainment of desirable class attitude toward music, development of a reading program, desirable music experience, music in rural schools. Experience provided in the use of materials at each grade level. Observation of music education in practice in laboratory schools.

Two semester hours

Mus 222 METHODS II

Basic philosophy of music education, professional attitudes and relationships, organization of required and elective courses, practical demonstrations of equipment and techniques; grades seven through twelve, primarily vocal.

Two semester hours

Mus 223 METHODS III (INSTRUMENTAL)

Study of a suitable instrumental program for a public school system; particular attention to the problems of organization and administration, as well as the teaching techniques with various instruments; survey and evaluation of available materials for all phases of the instrumental program. Includes a unit in class piano methods to acquaint students with the value of the piano class as a means of developing basic musicianship, and with procedures for attainment of skill in reading, auditory discernment, theory and keyboard techniques. Examination and discussion of materials suitable for the first two years of piano study.

Two semester hours

Mus 231 CONDUCTING I (CHORAL)

Guidance in the development of conducting techniques based on the fundamental meter designs; study of problems of style and interpretation. Students conduct choral compositions appropriate to various levels of achievement.

Three semester hours

Mus 232 CONDUCTING II (INSTRUMENTAL)

Preparation for conducting instrumental groups, band and orchestral, on a public school level; rehearsal and performance techniques. Preparation for conducting current public school band and orchestral material, as well as suitable ensemble material for secondary school organizations; particular attention to the development of discrimination in choice of musical materials.

Three semester hours

Mus 235 ORCHESTRATION

Characteristics of orchestral instruments; scoring for various instrumental groups. Prerequisite: Mus 214.

Two semester hours

Mus 240-245 APPLIED MUSIC (*seven semesters*)

Three credit hours each semester

Applied music in the curriculum serves two purposes: developing the student's musicianship and providing him as a prospective teacher with the knowledge and

techniques of various media needed for conducting an effective music program in the public schools. The minimum requirements for graduation are as follows:

1. Knowledge of the performance fundamentals of violin, cello, viola, string bass, clarinet, flute, cornet, trombone, percussion.
2. Keyboard facility adequate to satisfy the needs of a prospective music teacher.
3. Sufficient skill in the use of the singing voice to function as a teaching medium in all areas of a public school music program.

SPECIFIC REQUIREMENTS IN PIANO

1. Ability to play musically the accompaniments found in the basic public school series used in the methods courses.
2. Ability to sight-read simple accompaniments.
3. Ability to improvise accompaniments in simple piano style.
4. Ability to play at sight a hymn tune of medium difficulty.
5. Ability to play from memory ten Community Songs.
6. Ability to play one composition from each of the following periods: classic, romantic, modern. At least one piece must be played from memory.

Mus 240 VOICE (1, 2 or 3)**

Mus 241 PIANO (1, 2, 3)

Mus 242 STRINGS: instruments as designated (1, 2, 3)

Mus 243 BRASS: instruments as designated (1, 2, 3)

Mus 244 WOODWIND: instruments as designated (1, 2, 3)

Mus 245 MISCELLANEOUS: as designated (1, 2, 3)

MUSIC ORGANIZATIONS (available by consent of conductor only)

Mus 256 BAND II: Training Band

Mus 257 BAND I: Concert Band

Mus 258 ORCHESTRA II: Training Orchestra

Mus 259 ORCHESTRA I: Concert Orchestra

Mus 260 CHORUS II: Music freshmen and all college students

Mus 261 CONCERT CHORUS I

Mus 262 OPERA WORKSHOP

Mus 263 WOODWIND ENSEMBLE

Mus 264 BRASS ENSEMBLE

Mus 265 RENAISSANCE SINGERS

Mus 266 ESQUIRES

Mus 267 FRENCH HORN ENSEMBLE

Music Courses for Elementary Curriculum

ED EL (Mus) 280 MUSIC FOR ELEMENTARY GRADES

The development of an understanding of fundamental musical concepts through the acquisition of basic skills in techniques of singing, piano chording, and aural facility with theoretical problems.

ED EL (Mus) 281 TEACHING MUSIC IN THE ELEMENTARY GRADES

Methods and materials for Kindergarten through 6th grades stressing a basic philosophy of music education including demonstration, observation, and practice in the use of various teaching aids.

**Mus 240-1, etc., indicates minor areas; Mus 240-2 indicates major areas; 240-3 indicates variable credit.

Music Electives

*Mus 301 HISTORY OF MUSIC I

Intensive chronological study of Western music from pre-Christian times to the Baroque, with emphasis on the evolution of forms, styles and media. *Three semester hours*

*Mus 302 HISTORY OF MUSIC II

Continuation of study of music forms and styles as they evolved from the end of the Baroque to the present. *Three semester hours*

Mus 303-304 MUSIC HISTORY

A continuation of Mus 301-302, with emphasis upon individual research of specific epochs of music history and literature.

Mus 305 AMERICAN MUSIC

Stylistic influences on the American composer; idiomatic characteristics indigenous to American music; study of representative forms of composers. *Three semester hours*

Mus 306 THE SYMPHONY

A study of orchestral music from its beginning. The Mannheim composers, the Viennese classics, the Romanticists, and contemporary developments. Works will be analyzed and their historical, cultural and philosophical background discussed.

Mus 307 THE CONCERTO

The development of the concerto form with emphasis upon the contribution of Mozart, Beethoven, the Romantic school, and contemporary composers.

Mus 308 ADVANCED MUSIC LITERATURE

Intensive study of selected choral, solo, chamber and orchestral masterpieces; emphasis on formal and stylistic developments from the late Middle Ages through the twentieth century. *Three semester hours*

Mus 309 CONTEMPORARY MUSIC

A survey of the styles, forms, and musical techniques of contemporary music.

Mus 311 COUNTERPOINT

Contrapuntal style of the late Baroque; canon invention, fugue. Prerequisite: Mus 214. *Three semester hours*

*Courses available as General Education electives to all students.

Mus 313 COMPOSITION

Contemporary techniques of musical composition; emphasis on creative work. Prerequisites: Mus 214 and 311. *Three semester hours*

Mus 315 ADVANCED HARMONY

Harmonic techniques of the late nineteenth and early twentieth centuries; interrelationship of harmonic vocabulary and musical form. Prerequisite: Mus 214. *Three semester hours*

Mus 320 CLASS PIANO METHOD

Study of procedures for class and individual instruction; emphasis upon the value for development of basic musicianship; examination and evaluation of materials suitable for the first two years of piano study. *Three semester hours*

Mus 340 CREATIVE MUSIC DRAMA

Fosters creative insight and the development of techniques necessary to direct and stage music drama in school and community. *Three semester hours*

Mus 390 DIRECTED STUDY

Individual study under the direction of a faculty member appointed by the department director. Available to seniors and students having met the requirements for graduation. May extend areas normally covered in specialized courses of the Music curriculum. By permission only. *Credit arranged*

ED (Mus) 400 STUDENT TEACHING (See Education schedule.)

PHILOSOPHY

PHIL 201 INTRODUCTION TO PHILOSOPHY

A survey of the outstanding contributions of ancient and modern philosophers; includes study of certain central current philosophical problems and attention to ethical implications. *Three semester hours*

PHIL 340 CONTEMPORARY PHILOSOPHY

Analysis of the defining features of major contemporary philosophical movements, with attention primarily to logical positivism, pragmatism and existentialism. Includes study of the backgrounds for such movements and of contributions by their principal exponents. *Three semester hours*

PHIL 350 INTRODUCTION TO LOGIC

A study of the principles of deductive and inductive thinking and experimental inference; examination of reasoning as applied in specific areas of inquiry — history, ethics, astronomy, physics, etc. *Three semester hours*

PHIL 370 ETHICS

An examination of ethical principles and their application; analysis of problems encountered in individual and group efforts to realize ethical values.

Three semester hours

SCIENCE

General Courses in Science

G-BIO 101 MAN AND THE BIOLOGICAL WORLD I

An introduction to biological processes; study and discussion of these processes in man, together with the ecological aspects of human life. Laboratory demonstration and analysis of problems significant in the development of biological science; examination of the ways in which the solution of such problems has affected man and society.

Three semester hours

G-BIO 102 MAN AND THE BIOLOGICAL WORLD II

Continuation of G-Bio 101.

Three semester hours

G-PHY 101 MAN AND THE PHYSICAL UNIVERSE I

The nature and methods of science, the logic of the scientific method, and the implications of modern scientific thought and research. Historically oriented investigation of fundamental problems in physics, chemistry, astronomy, geology, and philosophy of science.

Three semester hours

G-PHY 102 MAN AND THE PHYSICAL UNIVERSE II

Continuation of G-Phy 101.

Three semester hours

SCI 200 DESCRIPTIVE ASTRONOMY

A study of the solar system, celestial sphere, astronomical calculations, physical characteristics of the stars, planetary and stellar motions. Prerequisites: Two years of high school mathematics and G-Ma 101 or equivalent.

Three semester hours

SCI 270 HISTORY AND PHILOSOPHY OF SCIENCE

A study of the historical development of scientific concepts and theories; cultural implications of scientific discoveries; analysis of the procedures of science. Reading and discussion of the works of major scientists and philosophers of science. Normally taken in senior year.

Three semester hours

SCI 290 TEACHING SCIENCE IN THE SECONDARY SCHOOL

Examination of the place and objectives of science in secondary education; study of curriculum problems, methods, techniques and psychological factors in teaching the sciences; investigation of textbooks, sources, teaching aids, and attention to factors promoting an effective learning environment. Prerequisite: Twelve hours of work in major field of science.

Two semester hours

SCI 400 NUCLEAR SCIENCE

Study of radiostope methodology as utilized in the various scientific disciplines. Students become familiar with various radioactivity detectors as they investigate the properties of elementary particles and their concomitant radiation.

Prerequisite: Open to junior and senior science majors upon recommendation of their advisors and permission of the instructor.

4 Credits 6 hours

Biology

Bio 201 ZOOLOGY I

Anatomy, physiology and taxonomy of the invertebrates, with emphasis on ecological relationship.

Four semester hours

Bio 202 ZOOLOGY II

Anatomy, physiology and taxonomy of chordates and vertebrates, with some attention to embryology and genetics. Prerequisite: Bio 201.

Four semester hours

Bio 203 BOTANY I

Study of the structure, functions and classification of the higher plants, together with practical application of such knowledge.

Four semester hours

Bio 204 BOTANY II

The relationship of the various plant groups, from simplest to most complex, based on evolutionary factors; includes study of fossil plants. Prerequisite: Bio 203.

Four semester hours

Bio 301 FIELD ZOOLOGY

Taxonomy of local fauna (exclusive of insects and birds); field collections and laboratory studies. Prerequisite: Bio 202.

Three semester hours

Bio 303 FIELD BOTANY

Taxonomy of local flora, with emphasis on the flowering plants including trees. Prerequisite: Bio 204 or equivalent

Three semester hours

Bio 310 ECOLOGY (FIELD COURSE)

A study of fundamental ecological principles manifested in the mutual relationship of plants and animals and their environment. Prerequisite: Bio 301 or 303 or consent of instructors.

Three semester hours

Bio 320 ORNITHOLOGY (FIELD COURSE)

The biology of birds, with special attention to the taxonomy of local avifauna. Prerequisite: 202 or consent of instructor.

Three semester hours

Bio 325 ENTOMOLOGY (FIELD COURSE) *REMOVED 11/10/74*
Structure, physiology and economics of insect life, with intensive field and laboratory studies of the local insect population. Prerequisite: Bio 202 or consent of instructor. *Three semester hours*

Bio 331 VERTEBRATE ANATOMY (LAB COURSE)
Systematic study of the anatomy of the vertebrate series, with laboratory dissection of the cat. Prerequisite: Bio 202. *Three semester hours*

Bio 332 PHYSIOLOGY (LAB COURSE)
Systematic study of the life processes of the vertebrates, with emphasis on human physiology. Prerequisites: Bio 331 and Chem 202. *Three semester hours*

Bio 340 GENETICS (LAB COURSE)
Variation and heredity in plants and animals, including man. Prerequisites: Bio 202 or 204, and Chem 202. *Three semester hours*

Bio 345 EMBRYOLOGY (LAB COURSE)
Study of the origin and development of the various tissues and organs of the animal body. Prerequisite: Bio 202. *Three semester hours*

Bio 350 HISTOLOGY (LAB COURSE)
Study of animal tissues, covering the structure and physiology of the basic types and the relation of tissues to cells and to organ systems. Includes microstudy and histological pathology of major organs and systems. Prerequisite: Bio 202 or 204. *Three semester hours*

Bio 355 MICROBIOLOGY (LAB COURSE)
Elementary principles of microorganismal morphology and physiology (bacteria, viruses, etc.); relation of microorganisms to fermentation, disease, dairy products and other foods, water purification, sewage disposal and soil fertility. Prerequisites: Bio 204 and Chem 202. *Three semester hours*

Bio 360 PARASITOLOGY (LAB COURSE)
Study of the anatomy, physiology, life history and habits of the parasites of man and his domestic animals. Prerequisite: Bio 202. *Three semester hours*

Bio 370 PLANT PHYSIOLOGY (LAB COURSE)
The physiological functions and needs of plants, including study of water and mineral relations, metabolism, growth and movement. Prerequisites: Bio 204 and Chem 202. *Three semester hours*

Bio 405 BIOLOGY SEMINAR
Study projects involving the investigation of recent literature in the field of biology; preparation of seminar papers on assigned problems. By consent of instructor and department director. Seniors only. *Credit arranged*

Chemistry

CHEM 201 GENERAL CHEMISTRY I

Fundamental principles of chemistry from the standpoint of the periodic classification of the elements; modern concepts of atomic structure and chemical bonding. Required of all science majors.

Four semester hours

CHEM 202 GENERAL CHEMISTRY II

Continuation of Chem 201. Elementary treatment of ionic equilibria and qualitative analysis. Brief introduction to organic chemistry. Not open to chemistry majors. Prerequisite: Chem 201.

Four semester hours

CHEM 211 QUALITATIVE ANALYSIS

Properties, principles and methods of identifying various anions and cations. Equilibria in solutions. Prerequisite: Chem 201.

Four semester hours

CHEM 213 QUANTITATIVE ANALYSIS (VOLUMETRIC)

An introduction to the principles and methods of volumetric analysis. Prerequisite: Chem 211.

Three semester hours

CHEM 214 QUANTITATIVE ANALYSIS (GRAVIMETRIC)

An introduction to the principles and methods of gravimetric analysis. Prerequisite: Chem 213.

Three semester hours

CHEM 221 ORGANIC CHEMISTRY I

Principles of organic chemistry; preparation, properties and nomenclature of various aliphatic compounds. Prerequisite: Chem 202 or 211.

Four semester hours

CHEM 222 ORGANIC CHEMISTRY II

Continuation of Chem 221, to include aromatic compounds carbohydrates, and an introduction to elementary organic analysis. Prerequisite: Chem 221.

Four semester hours

CHEM 251 PHYSICAL CHEMISTRY I

A mathematical approach to the chemical behavior of matter. An investigation of the physical states of matter, the thermodynamic properties of solutions, modern theories of electrolytes and non-electrolytes and electrochemistry. Prerequisites: Chem 214, Ma 211 and Phy 202.

Three semester hours

CHEM 252 PHYSICAL CHEMISTRY II

Continuation of Chem 251, to include chemical kinetics, homogeneous and heterogeneous reactions, and quantum theory. Prerequisite: Chem 251.

Three semester hours

CHEM 310 BIOCHEMISTRY

Chemistry of carbohydrates, lipids and proteins; digestion metabolism, blood, nutrition, Prerequisite: Chem 222. *Three semester hours*

CHEM 325 QUALITATIVE ORGANIC ANALYSIS

Identification of organic compounds by various techniques; an introduction to modern methods such as chromatography. Prerequisite: Chem 222. *Two semester hours*

CHEM 345 STRUCTURAL CHEMISTRY

The structure of various organic and inorganic compounds; modern methods of structure determination; influence of structure on chemical properties. Prerequisite: Chem 222. *Three semester hours*

CHEM 355 INORGANIC PREPARATIONS

A laboratory course in preparing various inorganic compounds. Prerequisite: Consent of instructor. *One semester hour*

CHEM 365 ORGANIC PREPARATIONS

A laboratory course in preparing various organic compounds. Prerequisite: Consent of instructor. *One semester hour*

CHEM 380 CHEMICAL LITERATURE

A study of recent literature in the field of chemistry. Preparation and discussion of selected topics in recent chemical journals. Prerequisite: Chem 222. *One semester hour*

CHEM 401 SELECTED TOPICS IN INORGANIC CHEMISTRY

Topics include inorganic stereochemistry, coordination compounds, modern acid-base theories, non-aqueous solvents, mechanisms of inorganic reactions, and radiochemistry. Prerequisite: Chem 211 or 202. *Two semester hours*

CHEM 402 SELECTED TOPICS IN ORGANIC CHEMISTRY

Topics may include heterocyclic, organo-metallic and phosphorous compounds. Stereochemistry, modern techniques of organic chemistry and an introduction to physical organic chemistry. Prerequisite: Chem 222. *Two semester hours*

CHEMISTRY 404

Independent study of chemical journals, followed by oral reports on selected research articles. Required of all Chemistry majors. *One semester hour*

CHEM 405 RESEARCH IN CHEMISTRY

Study projects involving library and laboratory research on selected problems. Prerequisite: Consent of instructor. *One to four semester hours*

Physics

PHY 151 INTRODUCTORY PHYSICS I (MECHANICS-ELECTRICITY)

Part one of a two semester course designed to acquaint the biology major with aspects of physical science of importance to that field. Kinematics, dynamics, gravitation, kinematic theory, electrostatics, electromagnetism, electrical applications. Prerequisite: Chem 202.

Three semester hours

PHY 152 INTRODUCTORY PHYSICS II (LIGHT-MODERN PHYSICS)

Continuation of Phy 151. Wave motion, relativity, quantum theory, atomic theory, nuclear physics, particle physics. Prerequisite: Physics 151.

Three semester hours

PHY 201 GENERAL PHYSICS I (MECHANICS)

The first part of a three-semester theory and laboratory course dealing with the fundamental phenomena and concepts of physics, including the kinematics and dynamics of particles, properties of fluids, wave motion and an introduction to the methods of measurement. Prerequisite: Ma 210 or concurrent enrollment.

Three semester hours

PHY 202 GENERAL PHYSICS II (HEAT AND ELECTRICITY)

Continuation of Phy 201. Heat transfer and thermodynamics, electrostatics, current electricity and magnetic phenomena. Prerequisites: Phy 201 and Ma 211 or concurrent enrollment in Ma 211.

Three semester hours

PHY 203 GENERAL PHYSICS III (OPTICS AND MODERN PHYSICS)

Continuation of Phy 202. Electromagnetic radiation; introduction to geometrical and physical optics; line spectra and spectral series, the Bohr atom, X-rays, radio activity. Prerequisites: Phy 202 and Ma 212 or concurrent enrollment in Ma 212.

Three semester hours

PHY 301 MECHANICS

Kinematics, particle dynamics, conservation principles, oscillations and wave motion. Theory and laboratory. Prerequisites: Phy 203 and Ma 213.

Three semester hours

PHY 302 ELECTRICITY AND MAGNETISM

Electrostatics, d-c circuits, electromagnetic phenomena, a-c current and the properties of a-c circuits, electromagnetic radiation. Theory and laboratory. Prerequisites: Phy 203 and Ma 213.

Three semester hours

PHY 303 OPTICS

Nature and propagation of light; geometrical optics; interference, diffraction and polarization phenomena. Prerequisites: Phy 203 and Ma 213.

Three semester hours

PHY 304 MODERN PHYSICS

Experimental and theoretical developments in physics during the twentieth century. Kinetic theory, properties of the electron, special series and the Bohr atom; special relativity and quantum concepts; atomic and nuclear structure. Theory and laboratory. Prerequisites: Phy 203 and Ma 213. *Three semester hours*

PHY 305 ELECTRONICS

Study of the electron including its charge, emission and velocity; fundamentals of vacuum tubes and semiconductor devices; amplifiers and oscillators; electronic circuits. Theory and laboratory. Prerequisite: Phy 302. *Three semester hours*

PHY 306 THERMODYNAMICS

Thermal energy, laws of thermodynamics, entropy, kinetic theory of gases. Prerequisite: Phy 301. *Three semester hours*

PHY 380 LITERATURE OF PHYSICS

Supervised reading and study projects involving the investigation of literature in the field of physics; preparation of seminar papers on assigned problems. Prerequisites: 15 s.h. of physics and consent of instructor. *Three semester hours*

PHY 401 SELECTED TOPICS IN PHYSICS

Reading and experimental work on some problems of physics requiring a considerable amount of independent work on the part of the student. Prerequisites: Phy 380 and consent of instructor.

Credit arranged

SOCIAL SCIENCES

G-SS 101 WORLD CIVILIZATION I

A survey of significant ideas, events, and cultural developments in man's history from the emergence of ancient civilizations to early modern times (ca. 1660). *Three semester hours*

G-SS 102 WORLD CIVILIZATION II

A continuation of G-SS 101. From early modern times to the present. *Three semester hours*

* G-SS 103 HISTORY OF THE UNITED STATES AND PENNSYLVANIA I

A survey of American history from 17th century colonization to the period of revolution, independence, and formation of the federal union; nationalism, sectionalism, and the growth of democracy in the 19th century; the Civil War and its aftermath to 1877.

Three semester hours

* G-SS 104 HISTORY OF THE UNITED STATES AND PENNSYLVANIA II

A continuation of G-SS 103. Significant trends and events in the rise of an industrial-urban society; domestic and foreign development of an emerging world power; increasing international involvement and world leadership in an atomic era. *Three semester hours*

SS 205 TWENTIETH-CENTURY AMERICAN HISTORY (A)*

Social, political, economic and cultural development of the United States in the twentieth century, with particular attention to the role of the United States in world leadership. Prerequisites: G-SS 103 and 104. *Three semester hours*

SS 213 HISTORY OF EASTERN CIVILIZATIONS (NW)*

Survey of the cultures, internal developments and international relations of the countries of Eastern Asia, particularly China, Japan and India. *Three semester hours*

SS 222 EUROPE IN THE NINETEENTH CENTURY (E)*

A study of the rise of modern national organizations in Europe and their political, social and economic aspects in relation to ideas and events. *Three semester hours*

SS 223 EUROPE IN THE TWENTIETH CENTURY (E)*

A study of European political and economic, social and intellectual status and trends in the present century, with review of significant developments after 1878. *Three semester hours*

SS 225 HISTORY OF EUROPE, 1648-1848 (E)

Survey of the major forces shaping the political, social, economic and cultural history of Europe from the Peace of Westphalia to 1848. *Three semester hours*

SS 240 AMERICAN GOVERNMENT

A study of the basis and organization of our national government, covering democratic principles, constitutional foundations, federalism, civil rights, the political party system, governmental branches and their functions, federal regulation and welfare services. *Three semester hours*

SS 242 POLITICAL PARTIES AND PUBLIC OPINION

Development and nature of the American two-party system; pressure groups, nominations and elections, public opinion and its formation and measurement, the political party in government. *Three semester hours*

SS 245 COMPARATIVE GOVERNMENT

Governmental structure and processes of Great Britain, France, Germany and Soviet Russia; the growth of democratic and authoritarian systems; comparisons with American government. Prerequisite: SS 240 or permission of instructor. *Three semester hours*

SS 247 INTERNATIONAL RELATIONS

Twentieth-century international problems, state system, factors of power, instruments of national policy, colonialism, regionalism, postwar changes and foreign policies, the United Nations. Prerequisite: A course in modern European history or permission of instructor. *Three semester hours*

SS 250 GENERAL ANTHROPOLOGY

Introduction to the science of man. The major concepts of physical anthropology and cultural anthropology, with emphasis on culture.

SS 260 PRINCIPLES OF ECONOMICS

An introduction to major economic theories and practices, emphasizing the nature and interrelationships of consumers, business, government, labor, and financial institutions. *Three semester hours*

SS 270 PRINCIPLES OF SOCIOLOGY

Introduction to the structure and dynamics of human society; analysis of social groups, intergroup relations, major social forces and changing aspects. *Three semester hours*

SS 290 TEACHING SOCIAL STUDIES IN THE SECONDARY SCHOOL

Analysis of desirable teaching procedures, investigation of materials for instruction; practice in planning and utilizing various types of lessons; includes study and discussion of educational philosophy and professional attitudes. *Three semester hours*

SS 302 HISTORY OF PENNSYLVANIA

A study of the founding and development of Pennsylvania; social, political and economic characteristics of the Commonwealth, the diversity of its people, their contributions to the nation. Prerequisites: G-SS 103 and 104, or equivalent. *Two semester hours*

SS 303 HISTORY OF THE CIVIL WAR AND RECONSTRUCTION

The background of sectional controversy; constitutional issues; secession and military conflict; the aftermath of war, North and South, with particular emphasis on political development in the period of "reconstruction" ending in 1877. *Three semester hours*

SS 304 SOCIAL AND CULTURAL HISTORY OF THE UNITED STATES (A)*

A study of social and intellectual currents in American History with special emphasis on American thought in the realms of politics, aesthetics, religion, literature as social document and historiography. *Three semester hours*

SS 305 HISTORY OF LATIN AMERICA (NC)*

A synthesis and interpretation of the principal factors in the development of Latin-American nations; covers the colonial era, national period, foreign relations, conditions and problems in the twentieth century. *Three semester hours*

SS 310 HISTORY OF THE TWENTIETH-CENTURY WORLD (NC)*

Modern capitalism, the rise and decline of Western imperialism, forms of totalitarianism, international problems and conflicts, attempts to find peace through international organizations and agreements. *Three semester hours*

SS 315 HISTORY OF THE FAR EAST (NW) *

Traditional cultures and institutions of China, Japan, Korea and Southeast Asia; the role of Western powers in their development; postwar changes, United States foreign policy in relation to the Far East, the emergence of Communist China. Prerequisite: A course in modern European history or permission of the instructor.

Three semester hours

SS 320 HISTORY OF ENGLAND (E) *

A survey of the political and constitutional, social and cultural, economic and imperial history of the British people.

Three semester hours

SS 323 RUSSIA: A HISTORY FROM ITS ORIGIN TO THE BOLSHEVIK REVOLUTION OF 1917 (E) *

An over-all view of significant and recurring themes in Russian history up to 1917, with close analysis of the substance, form and nature of the thousand-year course of Russian history. Comparison of the development of Russia with that of other nations and examination of the essential roots underlying the modern Soviet State.

Three semester hours

SS 324 THE SOVIET UNION (E) *

The contemporary history of the Soviet Union from the inception of Russia as a Communist State to the present. Emphasizes the internal and external factors involved in world Communism and Soviet power policies.

Three semester hours

SS 327 HISTORY OF MODERN GERMANY (E) *

Consideration of the forces of unity in 18th and 19th century Germany, followed by a study of Imperial, Weimar, and Nazi Germany, and concluding with an examination of the post-war revival and Germany's position between East and West.

Three semester hours

SS 330 HISTORY OF THE MIDDLE EAST (NW) *

The major political, economic and cultural features of the Middle East, with particular emphasis on modern colonialism in the area, Zionism, the rise of the Arab states, and contemporary relations with other nations of the world.

Three semester hours

SS 340 STATE AND LOCAL GOVERNMENT IN THE UNITED STATES

The structure, organization and function of state, county and municipal government; federalism and intergovernmental relations; problems and recent trends.

Three semester hours

SS 345 DIPLOMATIC HISTORY OF THE UNITED STATES

American foreign policies from the Revolution to the present; exploration of underlying concepts and other influencing factors in American diplomatic negotiations.

Three semester hours

SS 348 THE UNITED NATIONS: ORGANIZATION AND FUNCTION

A study of the United Nations, with particular attention to the social, economic and political problems in which it is involved.

Three semester hours

SS 350 WORLD ETHNOGRAPHY

The major culture areas of the world and the distinguishing institutional patterns connected with each; the culture complex of Southwest Asia and Europe, the complex of Southeast Asia and Oceania, the complex of North and South America.

Three semester hours

SS 355 GOVERNMENT AND INSTITUTIONS OF SOUTHEAST ASIA (NW)*

A comparative study of the governments of India, Pakistan, Indonesia and other countries of postwar South and Southeast Asia; consideration of historical and cultural backgrounds, colonialism, nationalist movements, independence aftermath.

Three semester hours

SS 360 CONTEMPORARY ECONOMIC PROBLEMS

Exploration of our more crucial present-day problems, notably money and banking, international trade, inflation, government regulation and labor relations.

Three semester hours

SS 363 HISTORY OF ECONOMIC THOUGHT

A study of economic ideas from the eighteenth century to the present. A brief review of physiocracy and mercantilism followed by a closer survey of classical liberalism, pre-Marxist and utopian socialism, Marxism, neoclassicism, institutionalism, and other contemporary developments.

Three semester hours

SS 365 INDUSTRIAL RELATIONS

Examination of the social organization of industry; study of the relation of industry to society, management and labor relations, the social responsibilities of management and labor, and governmental controls in their relations.

Three semester hours

SS 370 CONTEMPORARY SOCIAL PROBLEMS

Analysis of modern society through a study of selected problems, including class and caste, minorities, family disequilibrium, crime.

Three semester hours

SS 373 HOME AND FAMILY LIVING

A study of the American family, its development, mores, changing status; the underlying factors in its emerging patterns; social, economic and legal aspects of the home and family.

Three semester hours

SS 381 RENAISSANCE AND REFORMATION STUDIES (E)*

Examination of the political, social, economic and cultural forces involved in the transition from medieval to modern Western society, with particular attention to the rise of vocational states and the growth of individualism.

Three semester hours

SS 401 SPECIAL STUDIES IN SOCIAL SCIENCES

Studies and research in the various social sciences offering opportunities for development in depth and/or techniques of research.

*Semester hours variable,
1, 2, or 3.*

SS 405 PROBLEMS OF THE MODERN WORLD

A study of some of the overriding challenges of our time analyzed in the light of socio-economic, historical, geographic and political factors. Prerequisites: G-SS 101-04 or permission of instructor.

Three semester hours

SPEECH AND DRAMATICS

G-SPC 101 FUNDAMENTALS OF SPEECH

Instruction in the principles of effective speaking; intensive practice in the organization, development and presentation of basic types of public address.

Three semester hours

SPC 200 ORAL INTERPRETATION

Introduction to the methods of analysis and presentation necessary for effective oral reading of poetry, prose and drama.

Three semester hours

SPC 210 PHONETICS AND VOICE

Study of the physiology of speech and the sounds of spoken English; standards of American pronunciation, with vocal and ear training; practice in IPA transcription; study and application of methods for improving voice and articulation.

Three semester hours

SPC 250 PLAY PRODUCTION

Introduction to theory and practice of all phases of play production, with particular attention to problems of play-selection, organization, casting and directing for school and community dramatics. Includes production by students of one-act plays and scenes from longer plays.

Three semester hours

SPC 290 TEACHING SPEECH AND DRAMA IN THE SECONDARY SCHOOL

The objectives, status and problems of speech training in the public schools; principles and methods of teaching fundamentals of speech; techniques of oral interpretation; the organization and production of drama programs in the high school.

Two semester hours

*In order that a History Major may determine the courses that meet the required areas of history study, the courses are labeled as (A) for American History, (E) for European History, (NW) for Non-Western History and (NC) for courses which are non-classified. i.e., do not readily meet any of the above classifications.

SPC 300 ADVANCED PUBLIC SPEAKING

Detailed study of principles and methods in composing and delivering the more elaborate types of public address; practice in writing and presenting expository and persuasive speeches, with attention to effective use of appeals and proof. *Three semester hours*

SPC 305 DISCUSSION, DEBATE AND PARLIAMENTARY PROCEDURE

The nature of argument and persuasive speech; investigation of kinds of proof, use of evidence, sound and unsound reasoning; the construction of briefs, participation in different forms of group discussion, and intensive drill in parliamentary procedure. *Three semester hours*

SPC 310 SPEECH DEVELOPMENT AND IMPROVEMENT

Advanced work in phonetics for individual voice improvement; training in the development of appropriate speech patterns, acceptable pronunciation and flexible vocalization. *Three semester hours*

SPC 350 ACTING FUNDAMENTALS

Introduction to the theory and practice of acting; study of relationship between interpretation and acting; student participation in acting, impersonating and directing. By consent of instructor only. *Three semester hours*

SPC 353 STAGECRAFT, SCENIC DESIGN AND LIGHTING

A workshop course in design and construction of stage settings, the modeling of stages to scale, lighting, production of backstage equipment and properties; includes participation in staging dramatic productions of the college. By consent of instructor only. *Three semester hours*

SPC 355 COSTUME AND MAKE-UP

Training in the art of straight and character make-up; design and execution of stage costuming with particular attention to the creation of mood and illusion through style, color and fabric textures. *Three semester hours*

SPC. 390 SPECIAL PROJECTS IN SPEECH AND DRAMATICS

Individual projects designed for advanced students in speech and drama. By consent of instructor only. Prerequisite: Fifteen semester hours of work in the field. *Two semester hours*

The college is approved to offer the following courses which are not regularly scheduled:

SPC 330 RADIO PRODUCTION *Three semester hours*

SPC 335 TELEVISION IN EDUCATION *Three semester hours*

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MANSFIELD STATE COLLEGE
MANSFIELD, PENNSYLVANIA

FOR PROSPECTIVE STUDENTS

The Preliminary Enrollment Blank below is to be completed and mailed to The Director of Admissions, Mansfield State College, Mansfield, Pennsylvania

Preliminary Enrollment Blank

Mansfield State College, Mansfield, Pennsylvania

Date.....

Name
Last Name First Name Middle Name

Address
Number Street City County State

Sex..... Age.....

Date of High School Graduation

Name and Address of High School

Years of College Work Completed (If Any)

Name and Address of College

When do you expect to enter Mansfield?

Check education curriculum desired:

Elementary Ed.; Secondary Ed.; Library Science;

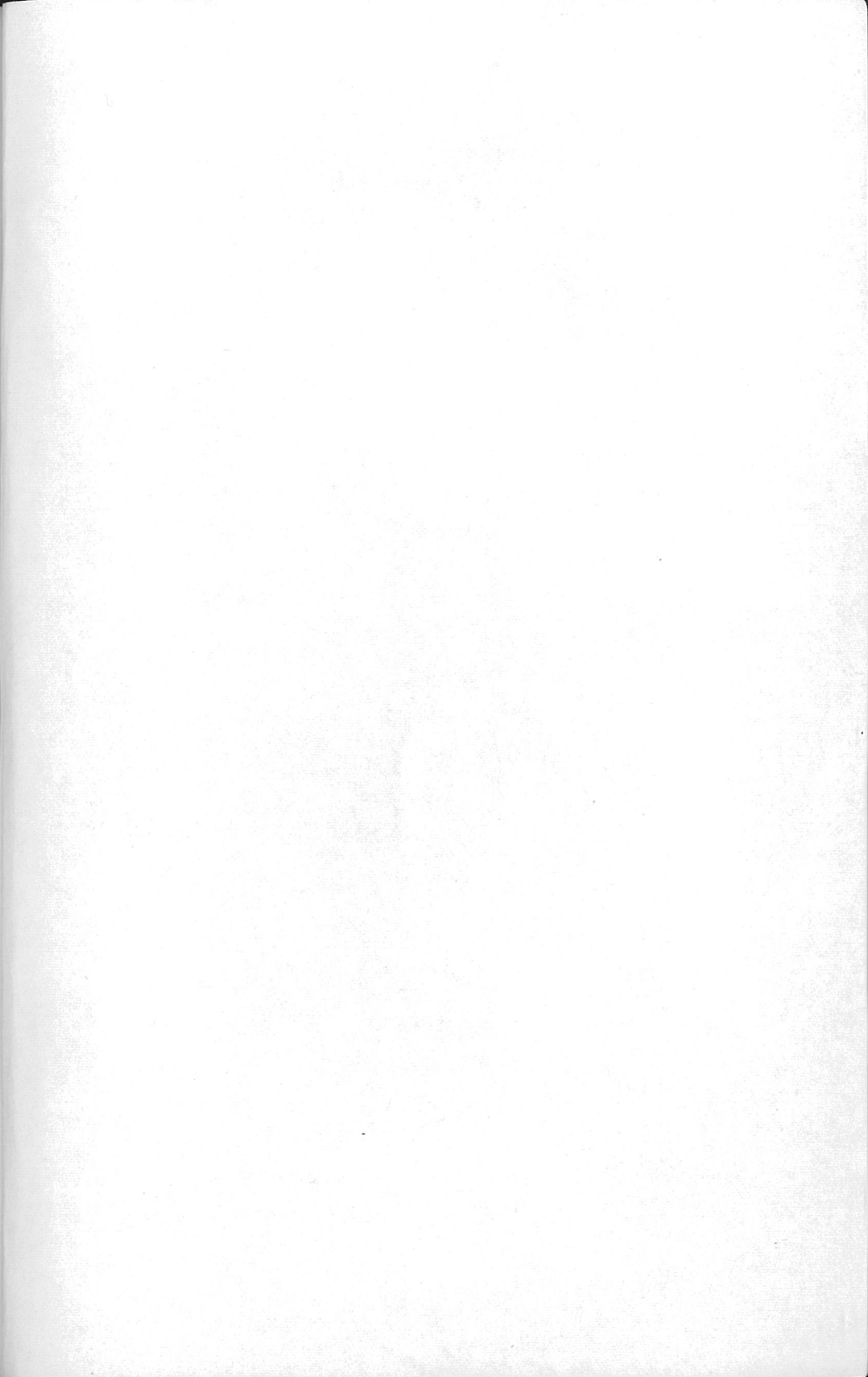
Home Economics Ed.; Music Ed.; Liberal Arts;

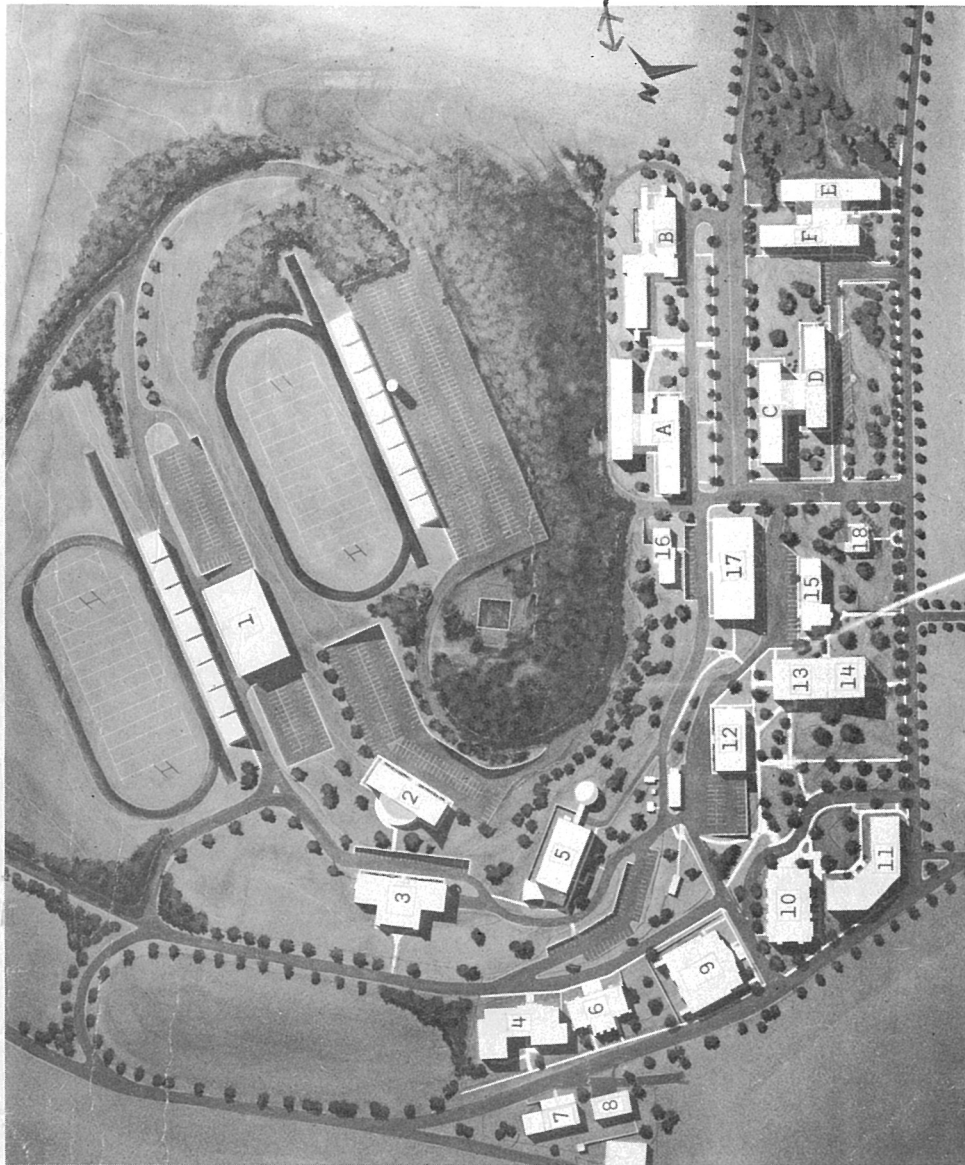
If Secondary Education of Liberal Arts, list major

Do you wish to live in the dormitories?

Are you enclosing with this blank the required Advance Registration Deposit of \$10.00 (payable to the Commonwealth of Pennsylvania?) An additional \$15.00 deposit will be required if accepted by the College.

Please answer EVERY question on this blank





1. Gymnasium, Pool, Field House
 2. World Culture (Music) Building
 3. East Building
 4. Elementary School
 5. Science Building
 6. Education Building
 7. Boiler Plant
 8. Maintenance Building
 9. Gymnasium
 10. Straughn Auditorium
 11. Arts Building
 12. Student Union Center
 13. Library-Administration Building
 14. Addition to Library-Administration Building
 15. South Hall
 16. Infirmary
 17. Dining Hall
 18. President's Home
- Mudge-Nickerson addition 8.1 acres
- DORMITORY COMPLEX**
- A. 200 capacity women's dormitory (completed January 30, 1964)
 - B. 200 capacity women's dormitory (completed September 1, 1964)
 - C. 300 capacity women's 6-7 floor high rise dormitory (funds now available)
 - D. 200 bed addition to high rise women's dormitory (about 1969)
 - E. 200 bed men's dormitory (funds now available)
 - F. 300 capacity men's 6-7 floor high rise dormitory (about 1967)

Mansfield Campus Plan

